

**ENVIRONMENTAL SERVICES UTILITY
BOARD MEETING AGENDA**

Tuesday, January 18th, 2022

6:00 PM

- I. Public Comments
- II. Roll Call
- III. Approval of Minutes
- IV. Approval of Bills
- V. Reports
 - A Monthly Activity
 - B Financials
- VI. Old Business
- VII. Unfinished Business
 - A Hydro Plant – Unit #1
 - B I & I Study
- VIII. New Business
 - A Access Control Systems and Upgrade Proposals
 - A-1 Locksmith
 - Ruder Technologies
 - Protection Associates
- IX. Executive Session (if necessary)
- X. Adjournment



**ENVIRONMENTAL SERVICES UTILITY
BOARD MEETING
DECEMBER 20TH, 2021
SUMMARY OF MINUTES**

The meeting for Kankakee Environmental Services Utility was held on Monday, December 20th at 6:00 P.M. in the Public Safety Building.

ESU Members Present

Ald Carmen Lewis
Ald Mike Prude
Ald Mike O'Brien
Ald Larry Osenga
Ald Danita Swanson
Ald Kelly Johnson
Ald Reginald Jones
Clerk Stacy Gall
Mayor Chris Curtis

Interim Superintendent

Dave Tyson, PR, IPLS

Additional Alderman Present

Ald Lance Marczak

ESU Staff Present

Clara Hall, Admin/Tech Ops Mgr
Zach Newton, GIS/Oper Mgr
Dennis Doyle, DPW Asst. Supt.
James Lopez, DPW Oper Mgr

Others Present

Elizabeth Kubal, Comptroller
Maureen Kambic, Asst Compt.

MAYOR CURTIS:

The Environmental Services Utility Board meeting is called to order for Monday, December 20th, 2021. Are there any public comments? Hearing none we will move on to Section two, which is Roll Call.

ROLL CALL

ZACH NEWTON: Ald Lewis - Present Ald Swanson – Present
Ald Prude - Present Ald Johnson - Present
Ald O’Brien - Present Ald Jones - Present
Ald Osenga – Present Clerk Gall – Present
Mayor Curtis - Present
PRESENT: 9 ABSENT: 0

APPROVAL OF MINUTES

MAYOR CURTIS: We have a quorum. Motion to approve the minutes from Monday, November 15th, 2021. Do I have a motion to approve?

ALD OSENGA: I will make that motion to approve the minutes.

ALD JONES: Second.

MAYOR CURTIS: Motioned by Alderman Osenga and Seconded by Alderman Jones. Any questions, comments, changes. Hearing none, Roll Call.

ZACH NEWTON: Ald Lewis - Aye Ald Swanson – Aye
Ald Prude - Aye Ald Johnson – Aye
Ald O’Brien - Aye Ald Jones – Aye
Ald Osenga - Aye Clerk Gall- Aye
AYES: 8 NAYS: 0

MAYOR CURTIS: Thank you.

APPROVAL OF BILLS

MAYOR CURTIS: Go ahead and move on with the agenda with the approval of bills and the total amount of \$656,117.89. Do I have a motion?

ALD SWANSON: So move.

ALD LEWIS: Second.

MAYOR CURTIS: Motioned by Alderwoman Swanson and seconded by Alderwoman Lewis to approve the bills. Are there any questions? Alderwoman Johnson?

ALD JOHNSON: There is a bill regarding cleaning of the facility... *(inaudible)*

MAYOR CURTIS: I believe they do cleaning other facilities like they do most of them facilities but I don't know how often they do that. Zach, would you be able to answer that?

ZACH NEWTON: Every week basically, and then another component of waiting room is cleaned a few times a week and on the weekends because it's necessary.

MAYOR CURTIS: So, the cleaning is weekly and then twice a week for the Amtrak waiting room and additionally on the weekends.

ZACH NEWTON: Right.

ALD JOHNSON: *(inaudible)*

ZACH NEWTON: There are offices upstairs and bathrooms as well.

MAYOR CURTIS: Any other questions about the bills? Roll Call.

ZACH NEWTON: Ald Lewis - Aye Ald Swanson - Aye
Ald Prude - Aye Ald Johnson - Aye
Ald O'Brien - Aye Ald Jones - Aye
Ald Osenga - Aye Clerk Gall - Aye
AYES: 8 **NAYS: 0**

MAYOR CURTIS: Bills are approved. Our next item on our agenda, are the monthly activity reports. Starting with Street and Alley DPW.

ACTIVITY REPORTS

DENNIS DOYLE: Folks, that's pretty much all there and your report basically leaves what we've been doing for the last month Are there any questions?

ALD JONES: I come through there today there is stuff all over.

MAYOR CURTIS: On East Hobbie?

ALD JONES: Yes. I just saw it today. I don't know what *(inaudible)*.

DENNIS DOYLE: We can go through daily if you want, pick it up and send a bill.

MAYOR CURTIS: So, there was we've had some discussions if we do move forward with some of the cameras. Why that's not necessarily probably a high public safety area but it's an area that gets a lot of dumping is maybe installing a camera there just to be able to catch license plates and vehicles there so that we could at least maybe if we catch somebody dumping we could go get them to pay the bill.

ALD JONES: *(inaudible)* and one around the corner.

DENNIS DOYLE: We will get a look at it in the morning.

ALD PRUDE: *(inaudible)*

DENNS DOYLE: The land owner gets cited for it but they don't ever pay.

ALD PRUDE: We have people from other areas dumping in our city and we can't catch up with them.

MAYOR CURTIS: Is there a particular area that is consistent?

ALD PRUDE: Wildwood and Rosewood.

MAYOR CURTIS: Okay. Alderman Jones?

ALD JONES: *(inaudible)*

MAYOR CURTIS: So, our current ordinance reads right now that if the if something is dumped on the property that ticket goes to the property owner is our current ordinance or we can always discuss how we want to handle that. Tenants will dump all the stuff in the back of the alley and then ultimately the landlord's the one who gets the ticket, even though the tenant did the dumping. But we always say that's the landlord tenant for them to work out how they handle that but the same thing I think you're talking about Dennis and Alderman Jones, you guys continually lien on that property but nothing gets paid because it's just making ground and they never pay the fines on it. So, I'm open any ideas because it's obviously a problem throughout the area that happens but it is the current ordinance does go to the property owner. Alderman O'Brien?

ALD O'BRIEN: Dennis, I got your report here on the leaves is that no more leaf pickup, is that correct?

DENNIS DOYLE: We'll go through one more time and do pickups before equipment has all been broken down and converted.

ALD O'BRIEN: People put them in the bags...

DENNIS DOYLE: Put them in the paper bags not plastic bags.

ALD O'BRIEN: Okay.

MAYOR CURTIS: Place them in the alleys?

DENNIS DOYLE: Yes, where your garbage is.

MAYOR CURTIS: Let me rephrase. So, they have to be in paper bags, not plastic bags, and if you put them in the alleys within, we'll call it the next five days seven days. End of the year. They'll get picked up. Any other questions for Dennis? Okay, thank you sir. Next is the ESU Technical Report. Clara is not here tonight. There is a report in there of what she's working on. I do want to mention that driving around. There's quite a bit of street lighting that is out throughout the city. It doesn't matter what Ward you're in. I did come up with a list of about 25 to 30 that I am getting to Clara for her team to take a look at. But if you've got any that you know about let us know. If they are on a Com Ed pole then its Com Ed's responsibility but a lot of these are city polls. So, I've gotten a list but if you want to forward that to David. We'll try to get them on a mass fixing of all the streetlights that are in our County. Alderman Jones?

ALD JONES: (inaudible) in the middle.

MAYOR CURTIS: So, my understanding right now is comment provides lighting at every intersection, including where alley would meet the roadway, but they do not do any other sections. So, if you want to do that, then it has to go on to the neighbors in that area. They can get together and get an estimate to have a Com Ed pole put there but then they would divide that cost up to whatever neighbors want to sign up for that. So, they get 10 neighbors that say we'd like to have a hole there and have an extra dollar or two on our comment bill. They can potentially do that. But they have to go through that process. And that was being I know there was something similar in your ward Alderwoman Johnson

that there was a group of residents that wanted some additional lighting. I'm not sure where it's at these days, but they're working on that through Com Ed.

ALD O'BRIEN:

Do you have any idea of what the cost would be to add a hole pole in a certain location?

MAYOR CURTIS:

I don't know I'll follow up on the one that they were looking at on I think it was on evergreen, so I'll find out what that cost was and what that broke out to a monthly bill for each person. Next is the environmental sewer services report.

ZACH NEWTON:

Basically, the activities of last month can be summed up in we were moving. We got all our equipment and everything out of the Space Center and into the new facility. And it's not all organized yet. The main thing was just to get it into the new facility and then we went back into the Space Center to demo and remove everything that we were supposed to there and it's completely empty. You've been there and you remember all the cubicles and everything. It's nothing like that. It's just completely open and we're working with the last remaining departments there to move their stuff and we're looking like we're going to be done by the 31st of this month. And then I guess also to as we unpack the new stuff at the new building, and I'm going through the old historical hydro data I'm trying to put together a trend analysis of the years, the past years since its inception and how it's ran through the years. So, I'll keep you updated on that as I find more data. Any questions?

MAYOR CURTIS:

Alderman Marczak.

ALD MARCZAK:

(inaudible)

MAYOR CURTIS:

Next up is our industrial lab services for the month.

RYAN MCGINNIS:

Things are running smoothly at the lab. We're going to transition period obviously Alan left some big shoes to fill so I'm working on just learning as much as I can. We have a new employee who are working on training. Once we complete training with Seth we will be able to fully back up everything else should be in a report. Any questions?

MAYOR CURTIS:

Questions for lab. Okay, thank you there is no old business. I'm sorry. We're gonna move on to Item five B which is

financials. Comptroller Kubal, could you lead us through us or?

ELIZABETH KUBAL:

Absolutely. As you're looking at the financials at this point, as of the end of November, we are at the seven month point which is 58.33% as our guideline. You can see that the administration budget 51.10 is a little bit behind estimates. There are a couple of outstanding bills that we know of that still need to be paid for that section. So that we know that is part of it and then along with the couple of the ones down as you can go along and see that we're just not quite paid up on today's beliefs and things of that sort going into 20 that was much more on trend and the 51.3 Not that I want to be 15.3% of expenditures. Please be clear. I'm proud of these departments for running behind but a lot of times we budget these very closely so we aren't quite on trend and do because we're missing without a person or we are now in an expensive without them. So that's where the sewer services group is at right now on my 1.3 There are no items there that are that are alarming or concerning to me. The wastewater treatment is trending higher that is because they did make changes you might recall that were when we budgeted we thought it was one number and then there was a last minute change. So, we might wish to slightly move some dollars around within this budget. If it's a concern amount. I do not believe it will be but as an option we will trend a wee bit higher compared to budget because of that, that last minute change that was made with KARMA And moving on to page two of three Technical Service Group looks strong and 49.4%. laboratory services strong as well at 45.8. No particular items to point out. Debt service of course is on the money as we amortize that over the course of the 12 months one month at a time. Public Works looks good as well at 50%. Knowing that we are getting ready to go into their time of year of course that is the unknown with snow and such. We have to cross our fingers as we know that overtime can go quickly at that point so far so good. So overall are 46.9% DPW Sorry for works 50% overall for the utility which is very strong and very good that it is down for expenditure perspective. Because revenues are lagging just a tad we were only at 53.8% for total revenues for the utility. So quite honestly the expenditures are matching the little bit of lag that the revenues are facing right now. It's not a concern. We knew that we were going to have some industries with some changes that were going on. We are tracking these closely

at this point in time. But as of right now that is where we stand and you can see the cash balances below. Are there any questions?

MAYOR CURTIS:

Thank you. Next, we'll move on to unfinished business. To give you an update on a hydro plant as Zack mentioned, he's put together a very good graph chart of our hydro usage and I'll go back to probably the mid-2000s up through 2021 Here. However, there are some missing data that we're trying to locate from about 2011 to 2017. We're trying to put that together because we are trying to get that into Senator Joyce's hands he's looking to get that data so he can hopefully maybe steer us potential financing for the renovation of the hydro plant. So, the comptroller's office, everybody's kind of working on see if we can find some of that missing data there. Then we could show the trends of how its operated over the last 20 years. Since we get that we hope to send that off to them and then see if the state of Illinois can help us out a little bit with some of the rehab of the hydroplanes that are using ARPA funds. So, Alderman Marczak.

ALD MARCZAK:

Just something that went through my head. I know that on the north side of the building there appears to be an additional Bay. Would it be possibility since we're looking at you know far away granting some money from the federal government, would it be possible in that extra beta of a normal maybe to add another additional generator?

MAYOR CURTIS:

I could be wrong in us and I might even defer to Director Tyson on this but my understanding is adding a fourth turbine would not with the capacity to generate any additional power which is cannot be handled by one by KARMA and two by even potentially ComEd there. So, going above and beyond three turbines wouldn't generate us any more electricity but director Tyson is there anything I'm saying wrong or crushed about Okay, so the three turbines if they're working, even when all three are there, we'd only be running two at a time at the most because that's the most capacity electric that we can generate. It could be handled by any of the online systems. Any questions about hydro plants? Additional questions? Next, we're gonna move into new business. In your packet there you have a proposal that we want to talk about tonight. It's the I&I study you've heard about this before? The thought was is? It does it is the ESU committee want to send this

off to ARPA for the ARP committee, our committee of whole to allocate dollars for study which would just go to council in talking with Zack there's if you look in your packet, there's a map and part of that map shows were basically what I and I is if you can explain a little bit Tyson but it's basically our inflow that's being sent down to karma. And we have a lot of extra stormwater into broken manhole covers different pipes and things of that nature, who end up paying more money at karma for inflow that just we wouldn't need to elaborate on that a little bit.

SUPERINTENDENT TYSON:

It's the only take this up. It's not only the infiltration that's coming from groundwater that seeps into cracked aisles but it's also the cross connections or bad connections where we're taking stormwater, possibly stormwater or water from how strains of the roofs that it's an indoor sanitary sewer. And what the problem is, is that after big rain, if you watch the number down at karma, the Kankakee portion does not rebound as fast as it should which means that we're taking in a lot of extra water. To give you an example, just the keyholes on top of manholes that's about a gallon a half a minute that comes into a, you know, into our system. So, if you multiply that by the 1000s of manholes that we have, that's a lot of extra water that's coming into it. So, that's the type of areas that we want to look at, to finish a study that we'd already presented to this Committee, which I think everybody was kind of in favor of what it does is it gives us a street map so to speak, of where we can where we should go to start making repairs to cut our I&I down. It also sets us up for the newer money that's even coming out of the new federal bills from Washington they're coming this way. By having this report done and having things outline we are considered shovel ready then so we will have another source of money. That we possibly might be able to go after two so what I'm trying to do is get the city set up this you know our department set up to where we're ready. When and if this money comes which we expect it to come there's a lot of money coming this way. So, we want to be in position to do it. Plus, it is something like I said we need to start doing to correct our I&I problem so we're being proactive instead of reactive.

MAYOR CURTIS:

The area that has been proposed for is what they call the lower Riverview basin area and my understanding from Dr. Tyson and Zach This is probably the area that has the most flow that we see a new idea to ask for second biggest area

or problem is and Zach had mentioned that it's a call it out towards the old South tech development or the old AO Smith area. Exit 308 That seems to be our second worst area of inflow that's coming in there. So those two areas, the two most prominent areas that we tend to be having some problems with the question is a committee is it something that they'd like to consider? And if it is we would pass that on to the ARP committee a week from tonight. And discuss it there. We'd allocate money from ARP for this amount to proceed with us.

ALD JOHNSON:

So, it will be \$123,000.00 for this study?

SUPERINTENDENT TYSON:

Yes, like the manual inspection.

ALD JOHNSON:

And with the manhole (inaudible).

SUPERINTENDENT TYSON:

No, not in this what this will identify which manholes need to have work done on him It could be that decide to crack that could be brick tops or maybe they were raised up and then those aren't sealed. It could be lids that are offset. It could be that the manholes don't have a bottom in and or the filler which is the concrete bottom of a manhole is broken. So, this is a way to just identify what problems need to be fixed. Then we can put it in a plan or proposal to be able to go out and get bids on a ticket to work done. Or not us but I mean the Robinson would be able to do that.

ALD JOHNSON:

(inaudible)

SUPERINTENDENT TYSON:

This one is a little bit bigger than most of them but a lot of you know to do this study properly. They're all going to be close to \$100,000. From what we were told by the engineering company that's doing this and that's why they want to get started and kind of bite this off just says you know piece at a time right now to get working on it. They don't need for the engineering part of it or for the total repair. What they what they said as most of the time as a rule of thumb about it's about six times what five to six times which your cost for engineering is will probably be what the amount of repairs are they find. That's what Joe Sullivan from Robinson stated at the meeting he was at last time. We have six different ones we actually have more than the lower river view basin that they have actually a combination of two different basins at this time. So, there's actually I believe 13 basins within the city that we're

looking at, but they will study multiple basins at a time just like they're doing these two basins right now. You'll combine them so it's not going to be 13 different projects. You'll probably only be five different ones that we do. Just like right now with this proposal is taking two of the basins together. And that's what the study is for.

MAYOR CURTIS:

About to fix everything or to do study probably somewhere between five to 700,000 views the entire city. Preparing that we had to figure out what it shows what we find.

SUPERINTENDENT TYSON:

Yes, if it's, that one's true to what they say. I mean, ultimately it could be three to three and a half million dollars up in that area. Hopefully, they don't find it. We think lower river view area we know is the sewers are deeper in a lot of the areas so they're in more groundwater. So, we know we're getting seepage in that. We also know already that they are clay tile. So, by doing the studies on this and all that if we can find the clay tile before they collapse, then we can actually line them in and be able to put structure back into the sewer itself. And that way you don't have to dig the tile up and replace it you can actually just slip line it and you'll get 50 to 100 years out of doing that. So that's why we're trying to catch it before we have major problems. it will it should it should help or will help with some of the backflow that's coming into it because the surcharging if you're talking about the surcharging in the basements from the sanitary sewer model that comes when your sewers become a capacity. So, for you can stop some of the infiltration coming into it from both the inflow coming from homes themselves from the roofs and from the tiles or the leaking from the groundwater. Then that should it should slow down or a lot of what backups are within the homes themselves.

ALD MARCZAK:

Essentially what you're saying. Putting us in a better position will be shovel ready in the morning, correct?

SUPERINTENDENT TYSON:

Absolutely. As you know

ALD MARCZAK:

In this particular area, approximately how many manhole inspections

SUPERINTENDENT TYSON:

I do not know that number. I know the timeframe to do the total study and have the bids and everything ready. Is would be August of this coming year 2022.

MAYOR CURTIS: So again, that's not the allocation of the funds from the issue but it's more of a passing on to see if we want to consider with those funds.

ALD O'BRIEN: I make a motion that we recommend this to the committee for consideration.

ALD JOHNSON: Second.

MAYOR CURTIS: We have a motion from Alderman O'Brien and a second from Alderwoman Johnson to pass this on to ARP for consideration for funding. Questions or comments? Roll Call.

ZACH NEWTON:

Ald Lewis - Aye	Ald Swanson - Aye
Ald Prude - Aye	Ald Johnson - Aye
Ald O'Brien - Aye	Ald Jones - Aye
Ald Osenga - Aye	Clerk Gall - Abstain

AYES: 7 ABSTENTIONS: 1 NAYS: 0

MAYOR CURTIS: Thank you. Okay, we'll move on to ARP committee for next week. Next in there is item B. This is the bill we seem to get on an annual basis I believe correct. Comptroller Kubal. This is for the Microsoft agreement for all our computers that we have to pay each year to keep everything working for the amount is \$29,711.80. This is an annual payment that we do each year to keep everything as I said all the software working in the city of Kankakee. So, we're looking for a motion for approval of this bill.

ALD SWANSON: I will make that motion.

ALD OSENGA: Second.

MAYOR CURTIS: Motioned by Alderwoman Swanson and seconded by Alderman Osenga. Any questions? Roll Call.

ZACH NEWTON:

Ald Lewis - Aye	Ald Swanson - Aye
Ald Prude - Aye	Ald Johnson - Aye
Ald O'Brien - Aye	Ald Jones - Aye
Ald Osenga - Aye	Clerk Gall - Aye

AYES: 8 NAYS: 0

MAYOR CURTIS: Motion passes. The next item on here is Item C which is access control systems. As you know we've moved into the

ESU building the ESU or I should say code and the sewer services have moved into the LaBeau building similar to this building and similar to the building, the administration building they're basically keyless using either the wristband or using your swipe card to get into the buildings instead of rehab keys that would be needed for the LaBeau brothers building that was not part of the original scope of projects there. The problem and the concern is the current systems that are in this building in a system that's at the Ministry of building is no longer it's obsolete, it cannot be upgraded and cannot be fixed. If it was to go down tomorrow, there would be no way to repair it. You couldn't get the parts and we'd be down for at least a minimum of probably at least they're saying minimum 10 days could be as much as 14 days before they could get anything installed there. So, this is a number that is not exciting. If you look you have a proposal in there for each building the LaBeau Brothers building is \$41,004 35. We got an estimate from router for that. Another estimate for Admin building which is 32,867.00. And this building here is 17,727.64. You're basically just a hair under 150,000 to do that. Concern is we don't have this budgeted for we don't have it allocated in ESU. In our capital we basically allocated all the capital money this year \$650,000 for ESU. But the concern is if this does go down, what do we do? Even talking to Comptroller Kubal and think about it. We have several doors that don't even have locks on that you could use a key for the keycard entry. So, Comptroller Kubal, if you could just kind of highlight if this is something that we were to move forward on. I asked how we would pay for this and the thought process was we could allocate it into we could pay for it out of capital general operating that the capital that we have, but have a payment back from ESU with their allocation in a 23 or 24 capital budget that they would put forth and Comptroller Kubal, did I say that correctly? Or is there something you want to add on that?

ELIZABETH KUBAL:

Mayor, you did say that correctly thank you. In the accounting world we called it an accounting due to from. So basically, we would book a liability on the issues books that they own the general capital, the \$41,000.00 and change whatever it is to be paid then we would be able to budget that for them within their budget to get that paid off no later than fiscal 23 and sooner if possible.

MAYOR CURTIS:

This was an estimate that was obtained from router electric. I don't know if anybody else does this type of technology or work but taking the dollar out that we have we probably have this too. We'd have to still go out for a request for proposal or a bid of some sort. And see if there's anybody else Zack, is there anybody else does this like this locally or around? Okay, I still think we have to make the ask and see if anybody's available and then go from there. So, Director Tyson?

SUPERINTENDENT TYSON:

Just so everybody's clear on it too. For the ESU buildings, the new buildings in there. There will also be a bill from A-1 locksmith which is shown there. So, the actual cost for the ESU buildings is 49,79670 because they have to set all the lock settings up so that they will work with the electronic clocked the all these buildings are already set up. So, there's not that cost for the admin building or for these public safety building here. So, it actually brings a total cost up to 155,427.70.

MAYOR CURTIS:

And, you know, a way we could do it is if we did the ESU building that could be done it would be a different system, people would have to have two different types of keycard access because it would not work with this building or the admin building. So, I mean we could go that way to try and save some dollars but then also the concern is if one of these two buildings does go down there is no way to repair it so when we asked several people that correct Zach? Alderwoman Johnson?

ALD JOHNSON:

(inaudible)

MAYOR CURTIS:

We could do the ESU Buildings now but then the problem is it would be 14 days before we fail to do anything. So, it's kind of wild things. It's like there's no faltering on it today. I don't know it could last two weeks could last 15 years. We don't know. But the concern is how do you access to buildings if it goes down? So, I'm open to any ideas and suggestions. That's why I want to bring it to the issue tonight for thought. Comptroller Kubal?

ELIZABETH KUBAL:

Thank you, Mayor. Zach, correct me if I'm wrong, that was the system installed when all the renovations happened the keyless entry was that all installed when all the renovations

happened both in this building and the administration building. So, we're going back to approximately 2006 or 2008 was when those renovations happened. So, we are looking at a system that is already you know, it has several years on it. If it will go away. I think that that's conservative, that's already doing quite a bit of mileage on and my soul the understanding was I don't remember so this or not, that at some point upgrades just were not elected out of our control. Nothing that was brought to any of us unbeknownst to us.

MAYOR CURTIS:

Any questions or comments? Alderman O'Brien?

ALD O'BRIEN:

Thank you, Mayor. In this case, are we looked so you would get more bids? Is that correct?

MAYOR CURTIS:

I think because of the amount we've at least got to go out and see if there's anybody else that could bid on this will be available. We don't know if there is at this point, but I think we least have to make the ask.

ALD O'BRIEN:

And so that was that the next step?

MAYOR CURTIS:

That would be that that would be the next step. But I'm just trying to let everybody know how do we pay for this is it's not budgeted for it's we would we would have to take this out of capital with a liability of it being paid back from ESU and future capital.

ALD O'BRIEN:

I personally supported doing all this now getting it done so we don't have the potential issue and handling the payment method for Comptroller Kubal described.

ALD JONES:

(inaudible)

MAYOR CURTIS:

It would be just tried to get the parts in and everything and who knows how long that would take so. So, we should we should get some just verify estimates and if there's anybody else that can do this. Bring us back for full approval. Okay. In the meantime, Director Tyson, how do we handle ESU now just keys.

SUPERINTENDENT TYSON:

Yes.

ADJOURNMENT

MAYOR CURTIS:

Okay. We will work on that and bring us back for discussion, because it's heard here at ESU. is the committee comfortable that if we can get information sooner than later that we can just take the straight to counsel if need be, or do you want to come back to ESU next month. Okay. So, we get some books but there's a consensus with ESU board that if we can get the numbers and everything that we can bring that back to Council for approval. Okay. All right. With that there is no need for an Executive Session. Is there a motion to adjourn?

ALD OSENGA:

So move

ALD PRUDE:

Second.

MAYOR CURTIS:

Motioned by Alderman Osenga and seconded by Alderman Prude. All in favor?

ESU BOARD MEMBERS:

Aye.

MAYOR CURTIS:

Opposed same sign? Okay, we are adjourned. Thank you.

ENVIRONMENTAL SERVICES UTILITY

ACCOUNTS PAYABLE

January 18, 2021

<u>CHECK#</u>	<u>DATE</u>	<u>VENDOR</u>	<u>DESCRIPTION</u>	<u>AMOUNT</u>	<u>ACCOUNT</u>
31403	1/18/2022	A-1 RAICHE LOCKSMITH	DECODE LOCKS/PRGM TRANSP	590.00	51.20.577
31404	1/18/2022	ALAN TORONJO	PANTS, JEANS	21.65	51.20.518
31405	1/18/2022	ALL POWER EQUIPMENT	CHAIN	499.99	51.50.502
31405	1/18/2022	ALL POWER EQUIPMENT	CHAINSAW COMBO HELMET	200.00	51.50.502
			CHECK TOTAL	699.99	
31406	1/18/2022	ARAMARK	LAB COATS 12/22/21	40.60	51.20.518
31406	1/18/2022	ARAMARK	LAB COATS 12/29/21	33.69	51.20.518
31406	1/18/2022	ARAMARK	LAB COATS 1/5/22	33.69	51.20.518
			CHECK TOTAL	107.98	
31407	1/18/2022	BARON HUOT OIL COMPANY	FUEL	11,151.59	51.162
31407	1/18/2022	BARON HUOT OIL COMPANY	FUEL	10,633.17	51.162
			CHECK TOTAL	21,784.76	
31408	1/18/2022	BEAUPRE INC.	TOW DUMP TRUCK 11/26/21	175.00	51.50.572
31408	1/18/2022	BEAUPRE INC.	SAFETY CHECKS-4 VEHICLES	161.00	51.20.572
			CHECK TOTAL	336.00	
31409	1/18/2022	BEST ONE TIRE & SERVICE	'18GMC/TIRE REPAIR	25.00	51.20.572
31410	1/18/2022	BRE SPACE CHICAGO LLC	T0035542 ESU RENT-JAN	1,500.00	51.10.561
31410	1/18/2022	BRE SPACE CHICAGO LLC	T005215 ESU RENT-JAN	3,930.53	51.10.561
31410	1/18/2022	BRE SPACE CHICAGO LLC	T005215 CODE RENT-JAN	4,171.75	51.901
31410	1/18/2022	BRE SPACE CHICAGO LLC	T005215 POLICE RENT-JAN	695.30	51.901
31410	1/18/2022	BRE SPACE CHICAGO LLC	T005215 PSN RENT-JAN	1,270.53	51.901
31410	1/18/2022	BRE SPACE CHICAGO LLC	T005215 KAMEG RENT-JAN	3,500.00	51.982
			CHECK TOTAL	15,068.11	
31411	1/18/2022	CDW GOVERNMENT, INC.	HARD DRIVE/STONE ST	92.60	51.20.502
31412	1/18/2022	CHRISTIANSEN AUTO PARTS	CLAMP	21.99	51.50.572
31412	1/18/2022	CHRISTIANSEN AUTO PARTS	EPOXY SYRINGE	7.69	51.50.572
31412	1/18/2022	CHRISTIANSEN AUTO PARTS	BRASS DRIFT PUNCH SET	36.99	51.50.572
31412	1/18/2022	CHRISTIANSEN AUTO PARTS	EXTRACTO	8.28	51.50.572
31412	1/18/2022	CHRISTIANSEN AUTO PARTS	OIL	62.97	51.50.572
31412	1/18/2022	CHRISTIANSEN AUTO PARTS	SHAKER SIPHON	20.73	51.50.572
31412	1/18/2022	CHRISTIANSEN AUTO PARTS	OIL	53.88	51.50.572
31412	1/18/2022	CHRISTIANSEN AUTO PARTS	SOLENOID	51.16	51.50.572
31412	1/18/2022	CHRISTIANSEN AUTO PARTS	WATERPUMP	80.99	51.50.572
31412	1/18/2022	CHRISTIANSEN AUTO PARTS	CIRCUIT BREAKER	48.30	51.50.572
31412	1/18/2022	CHRISTIANSEN AUTO PARTS	OIL, FILTERS	631.67	51.50.572
31412	1/18/2022	CHRISTIANSEN AUTO PARTS	CIRCUIT BREAKER	48.30	51.50.572
31412	1/18/2022	CHRISTIANSEN AUTO PARTS	FUEL PUMP	136.99	51.50.572
31412	1/18/2022	CHRISTIANSEN AUTO PARTS	UPS PACKAGE SHIPPED	18.63	51.50.572
31412	1/18/2022	CHRISTIANSEN AUTO PARTS	S8/TRANSMISSION FLUID	119.88	51.50.572
31412	1/18/2022	CHRISTIANSEN AUTO PARTS	S17/ALTERNATOR, DEPOSIT	143.99	51.50.572
31412	1/18/2022	CHRISTIANSEN AUTO PARTS	PL3/LIGHT	54.98	51.50.572
31412	1/18/2022	CHRISTIANSEN AUTO PARTS	S17/ALTERNATOR, DEP RETRN	143.99CR	51.50.572
31412	1/18/2022	CHRISTIANSEN AUTO PARTS	WORK LIGHT	59.99	51.50.572
31412	1/18/2022	CHRISTIANSEN AUTO PARTS	TRAILER LOCK/GENERATORS	89.55	51.20.503
31412	1/18/2022	CHRISTIANSEN AUTO PARTS	S29/FLASHER	7.98	51.50.572
31412	1/18/2022	CHRISTIANSEN AUTO PARTS	LIGHTS	25.80	51.50.572
31412	1/18/2022	CHRISTIANSEN AUTO PARTS	S21/LIGHT	11.78	51.50.572

31412	1/18/2022	CHRISTIANSEN AUTO PARTS	S3/IGNITION COIL	63.98	51.50.572
31412	1/18/2022	CHRISTIANSEN AUTO PARTS	S35/FUEL INJECTOR O RING	16.20	51.50.572
			CHECK TOTAL	1,678.71	
31413	1/18/2022	CITY OF KANKAKEE	W/C	23,500.00	51.10.454
31413	1/18/2022	CITY OF KANKAKEE	LIABILITY	7,141.00	51.10.536
31413	1/18/2022	CITY OF KANKAKEE	LIFE INS	220.00	51.10.456
31413	1/18/2022	CITY OF KANKAKEE	WT COPIER	86.43	51.40.522
			CHECK TOTAL	30,947.43	
31414	1/18/2022	COMED	0134067011 11/24-12/29	261.74	51.20.551
31414	1/18/2022	COMED	0063043121 11/29-12/29	148.44	51.20.551
31414	1/18/2022	COMED	0298092065 11/24-12/29	224.69	51.20.551
31414	1/18/2022	COMED	0416085008 11/24-12/29	115.08	51.20.551
31414	1/18/2022	COMED	9117143011 11/22-12/27	173.20	51.20.551
31414	1/18/2022	COMED	3251141011 11/18-12/21	321.67	51.20.551
31414	1/18/2022	COMED	0128159053 11/24-12/29	671.31	51.20.551
31414	1/18/2022	COMED	0094099073 11/24-12/29	1,566.68	51.20.551
31414	1/18/2022	COMED	0141163037 11/24-12/29	400.97	51.20.551
31414	1/18/2022	COMED	0458025048 11/24-12/29	381.41	51.20.551
31414	1/18/2022	COMED	0207105128 11/24-12/29	327.78	51.20.551
			CHECK TOTAL	4,592.97	
31415	1/18/2022	COURT STREET FORD, INC	FUEL TANK, STRAP ASY	1,142.90	51.50.572
31416	1/18/2022	DEPKE GASES & WELDING	CYLINDER RENTAL	90.00	51.50.522
31416	1/18/2022	DEPKE GASES & WELDING	MIG GUN LINCOLN REAR END	261.70	51.50.502
31416	1/18/2022	DEPKE GASES & WELDING	ARGON	106.54	51.50.502
			CHECK TOTAL	458.24	
31417	1/18/2022	FISHER SCIENTIFIC	PIPET TIPS	473.80	51.40.502
31417	1/18/2022	FISHER SCIENTIFIC	BOD BOTTLES	514.44	51.40.502
31417	1/18/2022	FISHER SCIENTIFIC	PIPETS	330.16	51.40.502
			CHECK TOTAL	1,318.40	
31418	1/18/2022	FLEETPRIDE	STARTING FLUID	7.66	51.50.572
31419	1/18/2022	GORDON ELECTRIC SUPPLY	CLAMP, TAPE	80.43	51.33.502
31419	1/18/2022	GORDON ELECTRIC SUPPLY	FUSEHOLDER CONDUCT BOOT	162.22	51.33.502
			CHECK TOTAL	242.65	
31420	1/18/2022	HACH COMPANY	COD STD	51.38	51.40.502
31420	1/18/2022	HACH COMPANY	COD STD	41.35	51.40.502
31420	1/18/2022	HACH COMPANY	VA KITS	994.66	51.40.502
			CHECK TOTAL	1,087.39	
31421	1/18/2022	HICKSGAS	FORKLIFT PROPANE	25.87	51.20.502
31422	1/18/2022	INTERSTATE BILLING SVC INC	S31/LIGHT	598.00	51.50.572
31422	1/18/2022	INTERSTATE BILLING SVC INC	TANK AIR PRESS, CABLE,	1,051.76	51.50.572
31422	1/18/2022	INTERSTATE BILLING SVC INC	VALVE PRESS PROTECT	100.00	51.50.572
			CHECK TOTAL	1,749.76	
31423	1/18/2022	JOE'S AUTOMOTIVE INC	'05GMC/DUMP TRUCK WIRING	199.95	51.20.572
31424	1/18/2022	KANKAKEE ACE HARDWARE	2X6X16 TREATED/GUARDRAIL	37.98	51.50.502
31424	1/18/2022	KANKAKEE ACE HARDWARE	BLADE HOOK KNIFE	7.29	51.50.502
31424	1/18/2022	KANKAKEE ACE HARDWARE	FASTENERS	1.90	51.20.502
31424	1/18/2022	KANKAKEE ACE HARDWARE	SPRING, ROPE, CLIP	44.79	51.20.572
31424	1/18/2022	KANKAKEE ACE HARDWARE	HOSES,HANGER,SPONGE	142.08	51.50.502
31424	1/18/2022	KANKAKEE ACE HARDWARE	FASTNERS	0.88	51.20.577
31424	1/18/2022	KANKAKEE ACE HARDWARE	PAINT SUPPLIES	83.59	51.50.502
31424	1/18/2022	KANKAKEE ACE HARDWARE	PLYWOOD, 2 X 4'S	63.97	51.50.502
31424	1/18/2022	KANKAKEE ACE HARDWARE	2X4, PLYWOOD	35.68	51.50.502

31424	1/18/2022 KANKAKEE ACE HARDWARE	PLYWOOD,2X4,HINGES	215.45	51.50.502
31424	1/18/2022 KANKAKEE ACE HARDWARE	COAT HOOK	11.49	51.50.502
		CHECK TOTAL	645.10	
31425	1/18/2022 KANKAKEE SPRING & ALIGNMENT	'07INTNL/SPRINGS LBR,RPR	1,516.98	51.50.572
31426	1/18/2022 KANKAKEE STARTER & ALTERNATOR	SALT SHAKER MOTOR	227.00	51.50.572
31427	1/18/2022 KANKAKEE TRUCK EQUIPMENT	MAGNETIC MOUNT	25.50	51.50.572
31427	1/18/2022 KANKAKEE TRUCK EQUIPMENT	UNIT14/HARNESS, CONNECTR	151.13	51.20.572
31427	1/18/2022 KANKAKEE TRUCK EQUIPMENT	COUPLERS	427.69	51.50.572
31427	1/18/2022 KANKAKEE TRUCK EQUIPMENT	MUD FLAPS	92.48	51.50.572
		CHECK TOTAL	696.80	
31428	1/18/2022 LAWSON PRODUCTS, INC	SWIVEL CRIMP	98.45	51.50.572
31428	1/18/2022 LAWSON PRODUCTS, INC	CRIMPCOLLETS	177.65	51.50.572
		CHECK TOTAL	276.10	
31429	1/18/2022 LIGORI AUTO WRECKING	TIRE DISPOSAL	263.50	51.50.522
31430	1/18/2022 LOWES	FLANGE, PLIERS	27.48	51.20.577
31431	1/18/2022 MENARDS #30930262	VALVE,DRIAN,ANCHOR CEMNT	66.30	51.50.502
31431	1/18/2022 MENARDS #30930262	6X6 TIMBER	30.38	51.50.502
31431	1/18/2022 MENARDS #30930262	GLOVES, STRAPS	31.97	51.50.502
		CHECK TOTAL	128.65	
31432	1/18/2022 MICKEYS LINEN & TOWEL SUPPLY	3907-RUG SERVICE 12/28	50.00	51.20.518
31432	1/18/2022 MICKEYS LINEN & TOWEL SUPPLY	3908-RUG SERVICE 12/28	50.00	51.20.518
31432	1/18/2022 MICKEYS LINEN & TOWEL SUPPLY	301867 UNIFORMS 12/28	70.09	51.50.522
31432	1/18/2022 MICKEYS LINEN & TOWEL SUPPLY	3907-RUG SERVICE 1/4/22	50.00	51.20.518
31432	1/18/2022 MICKEYS LINEN & TOWEL SUPPLY	3908 RUG SERVICE 1/4/22	50.00	51.20.518
31432	1/18/2022 MICKEYS LINEN & TOWEL SUPPLY	301867-UNIFORMS 1/4/22	70.09	51.50.522
31432	1/18/2022 MICKEYS LINEN & TOWEL SUPPLY	5321-RUG SERVICE 1/4/22	64.00	51.20.518
31432	1/18/2022 MICKEYS LINEN & TOWEL SUPPLY	5210-RUG SERVICE 1/4/22	50.00	51.20.518
		CHECK TOTAL	454.18	
31433	1/18/2022 NALCO WATER PRETREATMENT	CARBON GUARD-DI WATER	135.25	51.40.553
31433	1/18/2022 NALCO WATER PRETREATMENT	DI EXPRESS,FILTERS	389.56	51.40.553
		CHECK TOTAL	524.81	
31434	1/18/2022 NCL OF WISCONSIN, INC	METER, PROBE	2,007.05	51.40.502
31435	1/18/2022 NICOR GAS	30826120005 11/17-12/17	3,125.14	51.20.552
31435	1/18/2022 NICOR GAS	81649120003 11/17-12/17	1,362.52	51.20.552
31435	1/18/2022 NICOR GAS	40882623032 11/17-12/17	277.11	51.20.552
31435	1/18/2022 NICOR GAS	88865570860 11/17-12/17	1,566.83	51.20.552
		CHECK TOTAL	6,331.60	
31436	1/18/2022 PROTECTION ASSOCIATES	ADM- ALARM 2/1-4/30	135.00	51.20.577
31436	1/18/2022 PROTECTION ASSOCIATES	ADM-FIRE ALARM 2/1-4/30	165.00	51.20.577
		CHECK TOTAL	300.00	
31437	1/18/2022 REPUBLIC SERVICES	307210072549-JANUARY SVC	156,050.72	51.50.530
31438	1/18/2022 RIVERSIDE WORKFORCE HEALTH	NH PHYSICAL 11/16/21	89.00	51.50.522
31438	1/18/2022 RIVERSIDE WORKFORCE HEALTH	DOT SCREEN 12/6/21	50.00	51.50.522
31438	1/18/2022 RIVERSIDE WORKFORCE HEALTH	DOT SCREENS 12/6/21	128.00	51.50.522
31438	1/18/2022 RIVERSIDE WORKFORCE HEALTH	DOT SCREENS-12/7/21	128.00	51.50.522
31438	1/18/2022 RIVERSIDE WORKFORCE HEALTH	DOT SCREEN 12/17/21	78.00	51.50.522
		CHECK TOTAL	473.00	
31439	1/18/2022 RON O'CONNOR	ROOT BALL, SPOILS	2,850.00	51.50.531
31440	1/18/2022 RYAN NORWELL LAW, LLC	DECEMBER SERVICES	7,500.00	51.10.522

31441	1/18/2022 SECURITY LUMBER & SUPPLY	DOOR SWEEPS	400.00	51.20.577
31441	1/18/2022 SECURITY LUMBER & SUPPLY	PAINT	34.95	51.20.577
		CHECK TOTAL	434.95	
31442	1/18/2022 SERVICE SANITATION INC	DEC RENTL-WASHINGTON DAM	144.30	51.50.522
31442	1/18/2022 SERVICE SANITATION INC	DEC RENTAL-FRONTAGE RD	167.38	51.50.522
		CHECK TOTAL	311.68	
31443	1/18/2022 STAPLES CREDIT PLAN	PAPER,TOWELS,CLOCK	40.65	51.40.502
31443	1/18/2022 STAPLES CREDIT PLAN	SHIPPING LABLES	101.98	51.40.502
31443	1/18/2022 STAPLES CREDIT PLAN	MOUSE PAD	8.49	51.40.502
31443	1/18/2022 STAPLES CREDIT PLAN	BUBBLE WRAP	64.09	51.40.502
31443	1/18/2022 STAPLES CREDIT PLAN	PAPER,TOWELS,PENS	140.41	51.40.502
31443	1/18/2022 STAPLES CREDIT PLAN	CALENDAR RETURN	15.99CR	51.40.502
31443	1/18/2022 STAPLES CREDIT PLAN	WALL CALENDAR	22.89	51.40.502
		CHECK TOTAL	362.52	
31444	1/18/2022 TESTAMERICA LABORATORIES	ENVIRONMENTAL TESTING	2,095.00	51.40.522
31444	1/18/2022 TESTAMERICA LABORATORIES	ENVIRONMENTAL TESTING	1,525.00	51.40.522
31444	1/18/2022 TESTAMERICA LABORATORIES	ENVIRONMENTAL TESTING	755.00	51.40.522
31444	1/18/2022 TESTAMERICA LABORATORIES	ENVIRONMENTAL TESTING	2,380.00	51.40.522
		CHECK TOTAL	6,755.00	
31445	1/18/2022 VERIZON WIRELESS	34231390700001 11/16-12/	150.12	51.50.522
31446	1/18/2022 VIERS COFFEE	WATER, COOLER RENTAL	262.85	51.20.577
31446	1/18/2022 VIERS COFFEE	COFFEE SUPPLIES	42.00	51.50.502
		CHECK TOTAL	304.85	
31447	1/18/2022 WAREHOUSE DIRECT	HANGING FOLDERS	58.92	51.50.502
31448	1/18/2022 WELDSTAR COMPANY	AA GASES	88.80	51.40.503
31449	1/18/2022 WENTWORTH TIRE SERVICE	TIRES, REPAIR	902.46	51.50.572

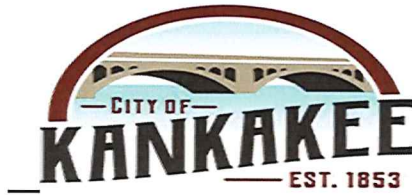
TOTAL 1/18/22 \$ 271,820.29

FOR ESU COMMITTEE

TOTAL 1/3/21	112,665.79
TOTAL 1/18/22	271,820.29
TOTAL FOR JANUARY	\$ 384,486.08

ESU Street & Alley Report for January 18th, 2022

- 1) Alleys: Work Orders from Code have dropped off significantly. We continue to run alleys for brush.
- 2) Snow : A snow events over the holiday weekend and the ice we had the following weekend resulted in significant overtime and salt usage.
- 3) Tree Work : With the end of leaf season we have increased our efforts to address tree work. Stumping crew has been out.
- 4) Patching : Patch truck is out daily as weather permits.
- 5) Mowing : We are going through the list of City owned properties to address brush, trees or other elements that hinder mowing. We have started the process on County Trustee properties and several code work orders from last summer.
- 6) Misc : Christmas decorations have been removed / stored. Pulled the fence along I57 exit 312.
- 7) Equipment: S-23 is out of service for drive train issues. Parts have arrived , truck is being repaired. We expect to have it back in a week or so. S-29 is scheduled for some major repairs. The dump bed will be removed and replaced with stainless steel. The hoist mechanism has failed , leaving us unable to raise the bed, how ever it is still operational as a salt spreader and we will remain in service till march.
- 8) Misc : Building at 401 W Oak was struck by a car. While there does not appear to be any serious damage, a thorough inspection will involve removing the metal siding. We will update you when we know more.



ESU TECHNICAL SERVICES REPORT DECEMBER 2021

Administration

3 Billing Correction
2 Calls to DPW
2 Calls to Republic
2 Services Moving
0 Sewer Claims
Investigated 5 customer complaints
Worked with Code Enforcement regarding 1 properties
Assisted Aqua regarding 1 properties
Traffic/ Energy/Historic Light Invoices
Requested Police Reports for Accidents
Dispatch Calls
Assist with Monthly Reports
Monitored Technical Services Budget
Preparing Draft for Technical Services Budget/Admin line items
ESU Minutes and Board Packet
ESU Monthly Board Meeting
ESU Tech Accts Receivable and Prepare Payables
Assist Walk In Customers
Assist ESU Administrative Specialists per Division
City Website New Resident Guide - Resident Resources (Hold)
Met with Sewer and Tech Services Team on move out plans
Monitored Fleet Management Program
Storm Management Program WIP
Revising ESU Processes and Procedures
Met with Interim Superintendent
Met with Electric Vendor
Conference Call with Electric Vendor
Prepare Christmas Decorations
Purge Offices at Space Center
Organizing New Tech Building

Electricians Field Report

Installed a video surveillance system on the new Technical Service building and Code/Sewer building.
Removed all the old IT server equipment from the Space Center.

Disconnected all the KAMEG cubicles at the Space Center.
Replaced the traffic signal pole on the North East corner of Schuyler and Station.
Replaced a traffic signal controller at Riverstone Parkway and Rt. 45.
Replaced a traffic signal controller at Court St. and East Gate.
Made repairs to street lights in the down town area.

Environmental Services Utility Sewer Services

Monthly Report – DECEMBER 2021

Sewer Calls: 1

Grease Traps Inspected: --

JULIE Locates: 213

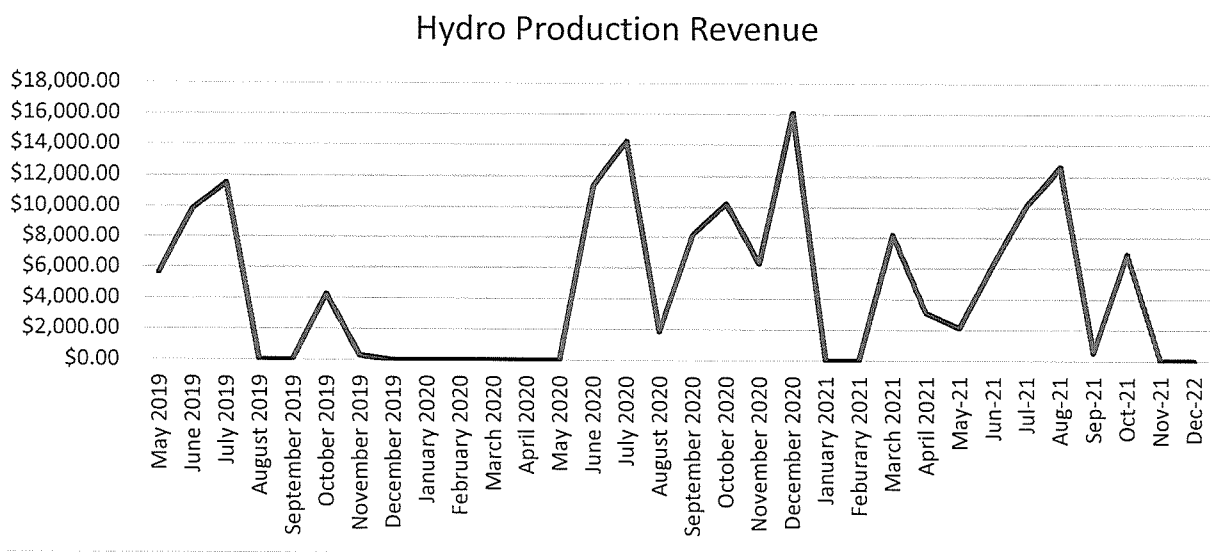
Sanitary and Storm Lines Cleaned: 2,640 ft (miles)

Sanitary and Storm Lines Televised: 547 ft (miles)

Hydro Production Report

“Hydro” – 0 Production Hours – (Running weather and river conditions permitting.)

0 kWh Produced (0 Mega Watts) – NOT RUNNING



Lift Station Updates

Clean seal filters, repair sump pumps, grease bearings, fill oilers, clean transducers

Construction Updates

Milder weather needed to resume construction

Infrastructure Updates

Sinkholes investigated and televised

Merchant St by St Mary's

Building Maintenance Update

Christmas decorations removed and stored

Heat issues at buildings

Organization of the new buildings continues

**INDUSTRIAL--LAB SERVICES MONTHLY REPORT
DECEMBER 2021**

I. Industrial Services – Pretreatment Program

A. Automatic 24-Hour Composite Sampling:

1. Sun Chemical - 3 days
2. Kensing – 3 days
3. Special Waste Disposal- 3 days
4. Armstrong Cooling Water – 3 days

B. Monthly random grab samples due to inconsistent compliance with pretreatment and/or City Ordinance limits at:

None for December 2021

C. Miscellaneous

1. Lab management prepared and forwarded the laboratory billing invoice for testing both to KRMA and to the Comptroller's Office.
2. Lab management performed random industrial spot checks throughout the month.
3. Lab management forwarded monthly wastewater reporting for Armstrong Cooling Water to the respective Armstrong personnel, Stelle wastewater reporting to the respective community of Stelle personnel, CHS (Central High School) wastewater reporting to the respective CHS operations personnel, Clifton wastewater reporting to the respective Clifton operations personnel, and Van Drunen wastewater reporting to the respective Van Drunen personnel.
4. Lab management received and reviewed the monthly continued compliance report from Special Waste Disposal for December 2021 (due by end of January). Submission of the monthly report is a permit requirement for SWD (newly permitted and unique centralized waste industrial discharger).
5. Lab personnel have continued testing on industrial and hauled-in dischargers for total phosphorus through December 2021 (began in October 2020). Per KRMA request, testing will continue and results will be forwarded until further notice.
6. Lab management has kept in regular contact with CSL Behring as they have developed a compliance plan/schedule for both pH adjustment and ammonia treatment. Phase one (permanent pH treatment) commenced on Monday, October 11, 2021. CSL Behring has achieved a more consistent pH as a result of phase one.
7. The "Sanitary Extension" project at Dow Chemical (Rohm Haas) has concluded and since May 12, 2020 (the afternoon of May 11 saw the "switch-over" to the new infrastructure), Laboratory Services have used the new sampling location for wastewater collection. Reimbursement that began with the project's start in November 2019 has been added to Dow's monthly sewer invoicing. As of the end of December 2021, twenty-six reimbursement payments have been issued with Dow's statements. An agreement was reached from meeting with Dow in March 2021 that additional payments will be extended through May 2022 to cover change costs (on Dow's portion) from the project.
8. December 2021 (and since late 2018) has continued to see Kensing sending mostly untreated wastewater to the KRMA plant as a result of their complete shutdown of their activated sludge treatment system. Dosing of an odor control

agent with assistance from an environmental contractor has commenced in March 2020 and is ongoing. Lab management continues to forward communication from Operations management on H₂S concentrations within the lift station/sewer infrastructure to Kensing as part of their ongoing data collection.

9. The Dow (Rohm Haas) Remediation site (located on the south end of BASF property) continues to be shut down through December 2021 and as such there are no pretreatment requirements. In continuing their rebound study, Dow is pursuing a “No Further Action” (NFA) status with Illinois EPA. As such, no further discharge is planned under this wastewater permit which has not been renewed. Communication has been received by Dow’s environmental contractor and NFA has not been granted yet. For this remediation site, Dow is still working through the reporting process and discussion with IL EPA for the NFA.
10. Lab management was contacted by US EPA, Region 5, regarding a formal information request (remote audit) on March 23, 2021. Pretreatment data, including site inspections, permits, and enforcement actions, has been compiled, scanned, and sent electronically to US EPA via mail on an USB flash drive. Due to an inability of US EPA to locate the original package (confirmed delivery on May 7, 2021 with USPS), lab management with assistance from KRMA resubmitted all requested data on June 9, 2021. Confirmation from US EPA was received on June 23, 2021 that the package had made it to the correct official. US EPA responded on September 27, 2021, regarding the information request with a follow up containing five areas of concern involving specific permit language along with enforcement and publication issues with non-compliant industrial users. Partnering with KRMA (provides pretreatment on hauled-in users), lab management responded back with an action plan (permit amendments and explanations) to US EPA on October 25, 2021. For further evidence of a return to compliance, lab/KRMA will also provide documentation by the due date (120 days from original e-mail on January 25, 2022) as a follow up to US EPA’s remote audit.
11. Partnering with Operations Management, the Lab Group has successfully begun the process of sampling/testing for the City’s MS4 (Municipal Separate Storm Sewer System) NPDES permit. There are eight outfalls within or just outside City borders that will be sampled quarterly for a range of parameters including solids, pH, mercury, and oil/grease (total of 11 different analyses). This has been finished for 2021 and will begin again in March of 2022.
12. The laboratory has begun testing four sample locations for KRMA (upstream and downstream Kankakee River along with Station Street Bridge and Warner Bridge) for total phosphorus starting August and continuing into October 2021. This testing is being performed to assist KRMA with their current NPDES permit with a special condition for a Nutrient Assessment Reduction Plan (NARP). This testing has been paused through the winter and will resume in April of 2022.
13. Lab management has begun performing site inspections (mandated as part of the federal EPA pretreatment program) at all of the permitted industrial dischargers. For the month of November 2021, inspections were performed at Del Monte, Millipore, and Sherwin Williams.
14. The laboratory has successfully placed the vehicle bid order with Court Street Ford for the Ford F-250 Super Duty 4x4. Production time has increased drastically and the Court Street Ford estimated delivery to dealership is 30 plus weeks. Any updates will be provided to this summary report as they are received.

15. Communication and several remote discussions have been initiated with Perkin Elmer (lab equipment manufacturer for the Utility's AA and mercury units) as through our twice-per-year maintenance agreement, the laboratory was informed that our current AA unit (purchased/installed in 2004) has reached the end of its serviceable life (needed repairs done as "best-fit" and obsolete replacement parts). The current atomic absorption unit (Perkin Elmer AA 400) is responsible for analyzing all of the permit limited metals (for KRMA parameters, hauled-in waste, and industrial) including cadmium, copper, lead, molybdenum, nickel, silver, zinc, chromium, and manganese. An average of about 20 to 25 samples are analyzed per week for a total of about 500 to 600 metals analyses per month. Getting preliminary estimates on instruments and prerequisite equipment (chiller, autosampler, line conditioner, etc.), the purchase will need to be budgeted for roughly \$90,000.
16. Lab Management has begun to meet with Robinson Engineering representatives to discuss and plan a local limits study that will begin in December of 2021 and will go through April of 2022. This has been postponed until after the New Year.
17. A new employee, Seth Hall, began working on November 8 and has been successfully completing training. He is expected to be fully trained by the end of the 6 month probation period that ends in May of 2022.

II. Industrial Monitoring Program (User Charge)

A. For the month of December 2021, the approximate number of samples collected:

200	Scheduled user-charge grab samples
287	Industrial spot checks
5	Oil & Grease samples
<u>0</u>	Continued pretreatment monitoring – grab samples
492	Total for the month (20 days)

B. Wastewater Violation Discharge Notice issued for:

None issued for December 2021

C. User Charge Billing Reports

1. The monthly user charge/pretreatment billing reports were prepared and submitted to the Comptroller's Office for final processing.
2. Flow summaries for the **"Big Two"** Industries for 2021:

2021	Kensing Total Flow MG	CSL Behring Total Flow MG
Month		
Jan-2021	17.0362	31.1457
Feb-2021	16.6608	24.2006
Mar-2021	19.2852	27.7371
Apr-2021	17.3151	25.5195
May-2021	21.9530	24.7703
Jun-2021	18.3336	21.2007
Jul-2021	19.7730	23.9680
Aug-2021	18.1583	28.7472
Sep-2021	12.2733	29.4300
Oct-2021	21.3877	25.4916
Nov-2021	19.6133	21.7851
Dec-2021	19.8462	21.4344
TOTAL	221.6357	305.4302
Average	18.4696	25.4525

3. Monthly industrial flow/surcharge/pretreatment billing summaries for 2021:

INDUSTRIAL MONTHLY CHARGES			
2021			
	KENSING	CSL/NORTH	ROHM HAAS/DOW
JANUARY			
Flow Charges	\$179,500	\$328,400	\$21,100
Surcharge/Pretreatment	\$31,600	\$36,400	\$32,300
FEBRUARY			
Flow Charges	\$175,700	\$255,200	\$20,000
Surcharge/Pretreatment	\$21,600	\$36,100	\$29,600
MARCH			
Flow Charges	\$203,300	\$292,500	\$20,500
Surcharge/Pretreatment	\$18,800	\$42,200	\$21,800
APRIL			
Flow Charges	\$182,600	\$269,100	\$28,100
Surcharge/Pretreatment	\$14,200	\$33,000	\$30,400
MAY			
Flow Charges	\$245,200	\$276,700	\$25,200
Surcharge/Pretreatment	\$18,700	\$12,650	\$36,200
JUNE			
Flow Charges	\$204,800	\$236,800	\$25,900
Surcharge/Pretreatment	\$11,700	\$20,800	\$47,800
JULY			
Flow Charges	\$220,900	\$267,800	\$24,900
Surcharge/Pretreatment	\$18,800	\$3,500	\$35,400
AUGUST			
Flow Charges	\$202,800	\$321,200	\$27,000
Surcharge/Pretreatment	\$15,000	\$48,900	\$33,600
SEPTEMBER			
Flow Charges	\$137,100	\$328,800	\$24,300
Surcharge/Pretreatment	\$12,300	\$47,600	\$26,000
OCTOBER			
Flow Charges	\$238,900	\$284,800	\$24,000
Surcharge/Pretreatment	\$11,200	\$37,100	\$28,300
NOVEMBER			
Flow Charges	\$219,146	\$243,412	\$27,293
Surcharge/Pretreatment	\$13,806	\$23,401	\$17,989
DECEMBER			
Flow Charges	\$221,748	\$255,494	\$24,846
Surcharge/Pretreatment	\$13,440	\$15,874	\$13,981

III. Analytical Services

- A. PDC testing – Monthly QC Round Robin was performed.
- B. Lab is running normally.

AA Section samples from Decemberr 1, 2021 to December 31, 2021.

- Cyanide samples – 28
- Industrial samples – 7 samples / 45 metals
- Hauler samples – 32 samples / 224 metals
- In-plant samples – 2 samples / 15 metals
- Mercury samples – 43 samples
- Hydrocarbon oil/grease – 0 samples

Due to an analyst shortage, there are limited samples that the lab is testing in-house (AA section—for this month some analyses were run in-house). The remainder of cyanide, metals, mercury, and hydrocarbon oil/grease samples are being picked up by courier to Eurofins/Test America in University Park.

IV. Administrative Services – Administrative Specialist

- A. Covid 19 Precautions
 - Daily cleaning and disinfecting of office equipment, office area, and lab area
 - Per KRMA guidelines, no visitors are allowed in the building
- B. Continued to archive 2020 - 2021 industrial files – updated files for new fiscal year
- C. Prepared monthly report for Utility packet
- D. Met with Industrial Services Coordinator to go over daily agenda
- E. Weekly scanning and entering Laboratory Accounts Payables and forwarded to Comptroller's Office
- F. Liaison between Industrial Services Coordinator, industries, and KRMA Assistant Superintendent
- G. Continuation of updating the Industrial Compliance Letters with edits regarding personnel and address change
- H. Provide customer service to phone customers – no walk-ins allowed at this time
- I. Records daily and tallies monthly laboratory user charge data for each industrial user
- J. Administers the UPS shipping process; labeling, documentation for the KESU Lab Department and Technical Services Department.
- K. Prepares the monthly UPS bill for submittal to Industrial Services Coordinator and Comptroller's Office
- L. Entered monthly analytical metal results for hauled-in and industries into HACH program
- M. With assistance of Industrial Coordinator, continuation of archiving, organizing, and maintaining industrial pretreatment files

Submitted by:

Ryan P. McGinnis, Lab Operations Manager, Kankakee Environmental Services

KANKAKEE ENVIRONMENTAL SERVICES UTILITY
EXPENDITURE AND REVENUE REPORT
 December 31, 2021

At 8 months 66.7%

EXPENDITURE REPORT

	<u>BUDGET</u> <u>21/22</u>	<u>EXPENSES/</u> <u>REVENUES</u>	<u>YEAR-TO-</u> <u>DATE</u>	<u>YEAR-TO-</u> <u>DATE %</u>
51 KESU - SEWER FUND EXPENDITURES				
10 SEWER FD - ADMINISTRATION				
401 SUPERVISORY SALARIES	332,356	10,429	181,316	54.6%
405 UTILITY BOARD	5,600	400	3,200	57.1%
451 FICA/MEDICARE	297,416	25,641	177,626	59.7%
452 IMRF EMPLOYER	437,279	37,539	242,573	55.5%
453 STATE UNEMPLOYMENT	18,000	290	1,904	10.6%
454 WORKERS COMP INSURANCE	325,000	23,500	188,000	57.8%
456 HEALTH INSURANCE	941,270	61,170	462,640	49.2%
502 SUPPLIES	2,000	0	50	2.5%
521 AUDIT SERVICES	40,000	5,000	10,000	25.0%
522 CONTRACTUAL SERVICES	400,000	29,668	109,001	27.3%
524 COLLECTION EXPENSE	615,000	66,358	519,164	84.4%
536 LIABILITY INSURANCE	100,000	7,141	43,967	44.0%
546 PUBLICATIONS/MATERIALS	6,000	0	0	0.0%
547 DUES/MEMBERSHIPS	2,000	0	0	0.0%
548 CONFERENCES/SEMINARS	4,500	0	0	0.0%
549 TRAVEL EXPENSES	1,000	0	40	4.0%
556 POSTAGE	250	0	0	0.0%
561 SPACE CENTER LEASE	120,000	5,431	50,277	41.9%
566 SAFETY PROGRAM	10,000		2,329	23.3%
LEGAL EXPENSE	0	0	0	0.0%
601 CAPITAL REPAIR/REPLACEMENT	850,000	0	0	0.0%
TOTAL SEWER FD - ADMINISTRATION	4,507,671	272,566	1,992,087	44.2%
20 SEWER SERVICES GROUP				
401 SUPERVISORY SALARIES	82,988	6,384	51,040	61.5%
402 CLERICAL SALARIES	0	0	0	0.0%
404 LABOR	545,240	42,866	341,113	62.6%
410 OVERTIME	20,910	928	9,981	47.7%
415 ON-CALL PAY	20,000	0	0	0.0%
420 CERTIFICATION/LONGEVITY	15,300	0	0	0.0%
501 OFFICE SUPPLIES	1,000	319	568	56.8%
502 MATERIALS & SUPPLIES	50,000	5,946	26,967	53.9%
503 REPLACEMENT PARTS	5,000	490	3,017	40.5%
504 CHEMICALS	15,000	0	0	0.0%
512 FUEL	25,000	1,556	16,238	65.0%
514 LUBRICANTS	12,000	0	3,450	28.8%
518 UNIFORM/RUG SERVICE	6,000	525	3,312	55.2%
522 CONTRACTUAL INSPECTION	10,000	2,004	9,901	99.0%
527 CUSTODIAL SERVICES	100,000	11,245	56,468	56.5%
551 ELECTRICITY	85,000	7,738	47,009	55.3%
552 NATURAL GAS	24,000	5,150	16,570	69.0%
554 TELEPHONE	16,000	2,802	12,720	79.5%
555 WATER	30,000	1,407	12,955	43.2%
572 VEHICLE MAINTENANCE & REPAIR	45,000	4,564	29,831	66.3%
577 BUILDINGS & GROUNDS MAINT & REP	200,000	24,411	147,902	74.0%
TOTAL SEWER SERVICES GROUP	1,308,438	118,334	789,043	60.3%
30 WASTEWATER TREATMENT				
553 WASTEWATER TREATMENT	5,913,765	499,908	3,999,264	67.6%

KANKAKEE ENVIRONMENTAL SERVICES UTILITY
EXPENDITURE AND REVENUE REPORT
 December 31, 2021

At 8 months 66.7%

EXPENDITURE REPORT

	<u>BUDGET</u> <u>21/22</u>	<u>EXPENSES/</u> <u>REVENUES</u>	<u>YEAR-TO-</u> <u>DATE</u>	<u>YEAR-TO-</u> <u>DATE %</u>
33 TECHNICAL SERVICES GROUP				
401 SUPERVISORY SALARIES	73,000	5,345	43,732	59.9%
402 CLERICAL SALARIES	0	0		0.0%
403 TECHNICAL SALARIES	215,926	14,324	117,707	54.5%
404 LABOR	156,754	12,942	103,639	66.1%
410 OVERTIME	4,000	1,140	3,096	77.4%
415 ON-CALL PAY	10,200	0	0	0.0%
420 CERTIFICATION/LONGEVITY	2,000	0	0.00	0.0%
502 SUPPLIES	90,250	3,824	36,675	40.6%
503 REPLACEMENT PARTS	36,400	2,270	21,057	57.8%
512 FUEL	2,000	125	1,300	65.0%
526 TECHNICAL SUPPORT	40,000	0	37,131	92.8%
554 TELEPHONE	2,000	0	0	0.0%
571 TECHNICAL MAINTENANCE	4,000	0	1,377	34.4%
572 VEHICLE MAINTENANCE & REPAIR	4,000	30	1,910	47.8%
581 TECHNICAL REPAIR	25,000	632	1,854	7.4%
TOTAL TECHNICAL SERVICES GROUP	665,530	40,631	369,478	55.5%
40 LABORATORY SERVICES GROUP				
401 SUPERVISORY SALARIES	94,172	11,571	62,243	66.1%
402 CLERICAL SALARIES	59,909	4,608	40,002	66.8%
403 TECHNICAL SALARIES	269,980	15,916	162,603	60.2%
410 OVERTIME	200	0	0	0.0%
420 CERTIFICATION/LONGEVITY	4,100	0	933	22.8%
502 LAB SUPPLY	72,000	3,904	24,303	33.8%
503 AA SUPPLY	25,000	772	4,107	16.4%
506 CLEANING/COMMODITIES	800	40	231	28.9%
512 FUEL	3,000	178	1,862	62.1%
517 SAFETY SUPPLY	800	618	618	77.3%
522 LABORATORY/CONTRACTUAL SVCS	160,000	13,108	61,787	38.6%
526 COMPUTER SUPPORT	1,800		96	5.3%
529 QC/QA STANDARDS	10,000	294	3,809	38.1%
530 CHEMICAL WASTE DISPOSAL	2,000	933	933	46.7%
546 REFERENCE MATL/HANDBOOKS	800	0	0	0.0%
548 CONFERENCE/SEMINARS	0	0	0	0.0%
553 WATER	3,000	390	1,779	59.3%
554 TELEPHONE	0	0	460	0.0%
556 POSTAGE	1,800	248	1,985	110.3%
558 COPYING/PRINTING	1,000	43	43	4.3%
571 EQUIPMENT SERVICE	36,000	0	27,323	75.9%
572 VEHICLE MAINTENANCE & REPAIR	1,600	0	1,081	67.5%
581 EQUIPMENT REPAIR	3,400	0	0	0.0%
TOTAL LABORATORY SERVICES GROUP	751,361	52,623	396,198	52.7%
44 SEWER FD - DEBT SERVICE				
691 BOND ISSUE COSTS	-	500	500	0.0%
691 BOND PRIN/INTR/FEEs	2,250,000	187,500	1,500,000	66.7%
TOTAL SEWER FD - DEBT SERVICE	2,250,000	188,000	1,500,500	66.7%

KANKAKEE ENVIRONMENTAL SERVICES UTILITY
EXPENDITURE AND REVENUE REPORT
 December 31, 2021

At 8 months 66.7%

EXPENDITURE REPORT

	<u>BUDGET</u> <u>21/22</u>	<u>EXPENSES/</u> <u>REVENUES</u>	<u>YEAR-TO-</u> <u>DATE</u>	<u>YEAR-TO-</u> <u>DATE %</u>
50 PUBLIC WORKS GROUP				
401 SUPERVISORY SALARIES	203,669	15,901	89,762	44.1%
402 CLERICAL SALARIES	42,175	3,244	27,535	65.3%
404 LABOR	2,205,741	188,186	1,189,682	53.9%
410 OVERTIME	90,000	8,878	23,504	26.1%
420 LONGEVITY	37,378	0	0	0.0%
502 MATERIALS & SUPPLIES	295,000	4,788	47,775	16.2%
512 FUEL	145,000	10,224	78,652	54.2%
522 CONTRACTUAL SERVICES	95,000	8,594	25,208	26.5%
530 WASTE HAULER	1,824,723	150,065	1,200,520	65.8%
531 ESU COLLECTION & DISPOSAL	100,000	21,591	65,127	65.1%
548 CONFERENCES/SEMINARS	5,000	190	825	16.5%
572 VEHICLE MAINTENANCE & REPAIR	262,500	17,226	166,448	63.4%
588 STREET & ALLEY REPAIR	75,000	121	36,865	49.2%
TOTAL PUBLIC WORKS GROUP	5,381,186	429,008	2,951,904	54.9%
 TOTAL UTILITY EXPENSE	 20,777,951	 1,600,569.85	 11,997,973	 57.7%

REVENUE REPORT

361 RESIDENTIAL/COMMERCIAL SEWER	6,130,385	538,090	4,262,398	69.5%
363 INDUSTRIAL SEWER	9,900,000	768,484	5,734,605	57.9%
364 SOLID WASTE FEES	3,160,407	276,138	2,148,833	68.0%
366 MANTENO CONTRACT REC'D FEB 25, 2021	150,000	0	150,000	100.0%
367 CHEBANSE CONTRACT	170,000	16,965	117,676	69.2%
369 KRMA CONTRACT	400,000	24,219	286,807	71.7%
373 HYDRO	55,000	6,942	63,552	115.5%
375 IDOT	70,000	0	15,121	21.6%
397 FEDERAL BOND INT	72,688	0	0	0.0%
398 APEA REVENUE UTILITY SEWER	650,000			0.0%
399 MISC REVENUE	40,000	14,037	59,021	147.6%

TOTAL REVENUE	20,798,480	1,644,875	12,838,014	61.7%
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as of 12/31/2021

CAPITAL ACCOUNT	\$	N/A
GENERAL ACCOUNT	\$	1,056,683

BOND & INTEREST	\$1,294,845
RESERVE & REPLACEMENT	\$554,460
SURPLUS	\$50,000
<u>BOND RESERVE</u>	\$1,900,000

A-1 LOCK SMITH/RUDER TECHNOLOGIES



SECURITY SYSTEMS
A-1 LOCKSMITH SERVICE
L.F. RAICHE CO. INC.
"THE KEY SHOP IN THE KEY CITY SINCE 1934"
366 SOUTH EAST AVENUE • KANKAKEE, ILLINOIS 60901
(815) 933-4732

Page No

of

Pages

PROPOSAL

TO **CITY OF KANKAKEE**

PHONE

DATE

12.15.21

JOB NAME / LOCATION

YESU REMODELING

JOB NUMBER

JOB PHONE

We hereby submit specifications and estimates for:

**15 - YES 5000 C. LAD ELECTRIC
STRIKE**

3432.00

**5 - YES 9400 SURFACE MOUNT
ELECTRIC STRIKE**

3294.50

**ON SITE INSTALLATION OF STRIKES
IN METAL AND ALUMINUM FRAMES**

800.00

**3 - SCHLAGE MORTISE CASE LOCK
FUNCTION CONVERSION FROM DEADLOCK
TO STOREROOM**

835.20

8361.70

We Propose hereby to furnish material and labor — complete in accordance with the above specifications, for the sum of:
EIGHT THOUSAND THREE HUNDRED SIXTY ONE DOLLARS AND 70/100 (8361.70)

Payment to be made as follows:

4181.00 DEPOSIT AMOUNTANCE BALANCE 30 DAYS FROM COMPLETION

All material is guaranteed to be as specified. All work to be completed in a professional manner according to standard practices. Any alteration or deviation from above specifications involving extra costs will be executed only upon written orders, and will become an extra charge over and above the estimate. All agreements contingent upon strikes, accidents or delays beyond our control. Owner to carry fire, tornado and other necessary insurance. Our workers are fully covered by Worker's Compensation Insurance.

Authorized
Signature

Note: This proposal may be
withdrawn by us if not accepted within

days.

Acceptance of Proposal — The above prices, specifications and conditions are satisfactory and are hereby accepted. You are authorized to do the work as specified. Payment will be made as outlined above.

Signature

Signature

Date of Acceptance:

PROPOSAL

DATE 12/10/2021
ESTIMATE # 21-12-005



1075 Lesco Road
Kankakee, IL 60901
(815) 933-9300
Fax (815) 939-1189

Proposal Submitted To:	Work to be performed at:
City of Kankakee 304 S. Indiana Ave Kankakee, IL 60901 Attn: Clara Hall	KESU – 295 N. Harrison Ave KESU – 270 N. Indiana Ave.
PH# (815) 928-7350 FAX# (815) 933-0508	Attn: Zachary Newton – Operations Manager

We hereby submit specifications and estimates for: **Access Control System Installation & Upgrades**

KESU – East Building 14 Doors / West Building 6 Doors

- 2 Premisys Enclosure
 - 2 Premisys 10A Power Supply w/ (1) Battery
 - 2 Premisys IP 2-Reader Controller
 - 8 Premisys 2-Reader Expansion Board
 - 20 Multi-Technology Proximity Card Reader
 - 2 24VDC Door Lock Power Supply
 - 20 Access Control Cable Run (lock & reader)
 - 2 Wireless Receiver (remote door release)
 - 3 Wireless Transmitter (remote door release)
 - (2) ESU – east building
 - (1) ESU – west building
- Identicard Software Upgrade to PremiSys (installed on new server)
Hardware & Installation
Programming & Set-up
Administrative Training

TOTAL PROPOSAL AMOUNT \$ 41,435.00

Note(s):

- [1] Work to be performed during normal work hours (M-F, 7:00am – 3:30pm)
- [2] Installation will require (2) total network connections
- [3] Owner to provide new virtual server for the PremiSys software to be installed on.
- [4] Owner responsible for the installation of electric locks (from A-1 Locksmith)
- [5] Owner responsible for entering user data in the new database

All material is guaranteed to be as specified. All work to be completed in a workmanlike manner according to standard practices. Any alteration or division from above specifications involving extra costs will be executed only upon written orders and will become an extra charge over and above the estimate. All agreements contingent upon strikes, accidents, or delays beyond our control. Owner to carry fire, tomado, and other necessary insurance. Our workers are fully covered by Workman's Compensation Insurance.

Note: This proposal may be withdrawn by us, if not accepted within 60 days of proposal date listed above.

Authorized Signature Jeff Memenga
Jeff Memenga
Sales & Design Specialist

Acceptance of Proposal – The above prices, specifications and conditions are satisfactory and are hereby accepted. You are authorized to do work as specified. Total amount is due upon receipt of invoice.

\$ _____

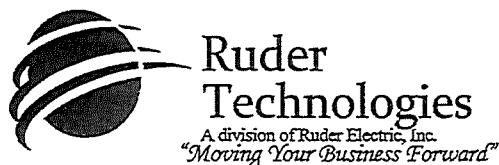
Authorized Signature _____

Title _____

Date of Approval _____

PROPOSAL

DATE 12/10/2021
ESTIMATE # 21-12-006



1075 Lesco Road
Kankakee, IL 60901
(815) 933-9300
Fax (815) 939-1189

Proposal Submitted To:	Work to be performed at:
City of Kankakee 304 S. Indiana Ave Kankakee, IL 60901 Attn:	Administration Building – 304 S. Indiana Ave
PH# (815) FAX# (815)	

We hereby submit specifications and estimates for: **Access Control System Upgrades**

- 2 Premisys Enclosure
 - 2 Premisys 10A Power Supply
 - 1 Premisys IP 2-Reader Controller
 - 23 Premisys 2-Reader Expansion Board
 - 2 24VDC Door Lock Power Supply
 - 1 4-channel Wireless Receiver (remote door release)
 - 5 Wireless Transmitter (remote door release)
 - (2) Comptroller office
 - (2) HR office
 - (1) Mayor office
- (no batteries provided or installed)
Hardware & Installation
Programming & Set-up

TOTAL PROPOSAL AMOUNT \$ 32,867.00

Note(s):

- [1] Work to be performed during normal work hours (M-F, 7:00am – 3:30pm)
- [2] Installation will require (1) total network connection

All material is guaranteed to be as specified. All work to be completed in a workmanlike manner according to standard practices. Any alteration or division from above specifications involving extra costs will be executed only upon written orders and will become an extra charge over and above the estimate. All agreements contingent upon strikes, accidents, or delays beyond our control. Owner to carry fire, tornado, and other necessary insurance. Our workers are fully covered by Workman's Compensation Insurance.

Note: This proposal may be withdrawn by us, if not accepted within 60 days of proposal date listed above.

Authorized Signature

Jeff Memenga

Jeff Memenga
Sales & Design Specialist

Acceptance of Proposal – The above prices, specifications and conditions are satisfactory and are hereby accepted. You are authorized to do work as specified. Total amount is due upon receipt of invoice.

\$ _____

Authorized Signature _____

Title _____

Date of Approval _____

PROPOSAL

DATE 12/10/2021
ESTIMATE # 21-12-007



1075 Lesco Road
Kankakee, IL 60901
(815) 933-9300
Fax (815) 939-1189

Proposal Submitted To:	Work to be performed at:
City of Kankakee 304 S. Indiana Ave Kankakee, IL 60901 Attn: Clara Hall	Public Safety Bldg. – 385 E. Oak St
PH# (815) 928-7350 FAX# (815) 933-0508	

We hereby submit specifications and estimates for: **Access Control System Upgrades**

- 5 Premisys Enclosure
- 5 Premisys 10A Power Supply
- 3 Premisys IP 2-Reader Controller
- 48 Premisys 2-Reader Expansion Board
- 1 Re-use Existing 24VDC Door Lock Power Supply
- 5 Lock Power Distribution Board
- 2 1-channel Wireless Receiver (remote door release)
- 2 Wireless Transmitter (remote door release)
 - (1) Police Dept Secretary
 - (1) Fire Dept Secretary
- 2 Network Cable Run (LL and 2nd FL equipment rooms)
(no batteries provided or installed)
Hardware & Installation
Programming & Set-up

TOTAL PROPOSAL AMOUNT \$ 72,764.00

Note(s):

- [1] Work to be performed during normal work hours (M-F, 7:00am – 3:30pm)
- [2] Installation will require (3) total network connections

All material is guaranteed to be as specified. All work to be completed in a workmanlike manner according to standard practices. Any alteration or division from above specifications involving extra costs will be executed only upon written orders and will become an extra charge over and above the estimate. All agreements contingent upon strikes, accidents, or delays beyond our control. Owner to carry fire, tornado, and other necessary insurance. Our workers are fully covered by Workman's Compensation Insurance.

Note: This proposal may be withdrawn by us, if not accepted within 60 days of proposal date listed above.

Authorized Signature

Jeff Memenga

Jeff Memenga
Sales & Design Specialist

Acceptance of Proposal – The above prices, specifications and conditions are satisfactory and are hereby accepted. You are authorized to do work as specified. Total amount is due upon receipt of invoice.

\$ _____

Authorized Signature _____

Title _____

Date of Approval _____

A-1 LOCK SMITH/PROTECTION ASSOCIATES



SECURITY SYSTEMS
A-1 LOCKSMITH SERVICE
L.F. RAICHE CO. INC.
"THE KEY SHOP IN THE KEY CITY SINCE 1934"
306 SOUTH EAST AVENUE - KANKAKEE, ILLINOIS 60901
(815) 933-4732

Page No

of

Pages

PROPOSAL

TO **CITY OF KANKAKEE**

PHONE

DATE

12.15.21

JOB NAME / LOCATION

LESU REMODELING

JOB NUMBER

JOB PHONE

We hereby submit specifications and estimates for:

15 - LES 5000 C 600 ELECTRIC STRIKE	3432.00
5 - LES 9400 SURFACE MOUNT ELECTRIC STRIKE	3294.50
ON SITE INSTALLATION OF STRIKES IN METAL AND ALUMINUM FRAMES	800.00
3 - SCHLAGE MORTISE CASE LOCK FUNCTION CONVERSION FROM DEADLOCK TO STORE ROOM	835.20
	<u>8361.70</u>

We Propose hereby to furnish material and labor — complete in accordance with the above specifications, for the sum of:
EIGHT THOUSAND THREE HUNDRED SIXTY ONE DOLLARS AND 70/100ths (\$ 8361.70)

Payment to be made as follows:

4181.00 DE JRN ADVANCEANCE BALANCE 30 DAYS FROM COMPLETION

All material is guaranteed to be as specified. All work to be completed in a professional manner according to standard practices. Any alteration or deviation from above specifications involving extra costs will be executed only upon written orders, and will become an extra charge over and above the estimate. All agreements contingent upon strikes, accidents or delays beyond our control. Owner to carry fire, tornado and other necessary insurance. Our workers are fully covered by Worker's Compensation insurance.

Authorized Signature

Note: This proposal may be withdrawn by us if not accepted within

days.

Acceptance of Proposal — The above prices, specifications and conditions are satisfactory and are hereby accepted. You are authorized to do the work as specified. Payment will be made as outlined above.

Signature

Signature

Date of Acceptance:

KANKAKEE, IL 60901-3819

NAME / ADDRESS
KANKAKEE ENVIRONMENTAL SERVICES UTILITY 295 NORTH HARRISON AVE. KANKAKEE, IL 60901

DATE	ESTIMATE NO.
1/4/2022	2022.0003

TERMS

[illegible]

This is a preliminary estimate. Additional changes to this estimate may be required for the work to be completed.

PROTECTION ASSOCIATES
 372 S EAST AVE
 KANKAKEE, IL 60901-3819

Estimate

NAME / ADDRESS
KANKAKEE ENVIRONMENTAL SERVICES UTILITY 295 NORTH HARRISON AVE. KANKAKEE, IL 60901

DATE	ESTIMATE NO.
1/4/2022	2022.0002

TERMS

QTY	DESCRIPTION
	ESTIMATE FOR ACCESS CONTROL SYSTEM INSTALLATION AND UPGRADES FOR CITY IF KANKAKEE KESU - 295 N. HARRISON AVE. AND 270 N. INDIANS AVE.
2	Intelligent Single Portal Two Reader PoE Controller*
9	Two portal four reader SIO with reader interface capable of Wiegand, clock and data, OSDP, magstripe, keypad, LCD, and biometric technologies. Supports Multi-Drop mode via OSDP allowing for two OSDP readers to be wired to a single reader port for paired in/out configuration
20	ETHOS SINGLE-GANG READER - SUPPORTS 125kHz
1	8DR SINGLE VOLTAGE INTEGRATED POWER SYSTEM - Larger Enclosure - 150W power supply 12A/12V or 6A/24V, 8 aux. outputs class 2 power limited at 2.5A per output.
1	16DR SINGLE VOLTAGE INTEGRATED POWER SYSTEM - Larger Enclosure - 150W power supply 12A/12V or 6A/24V, 16 aux. outputs class 2 power limited at 2.5A per output.
2	AL600ULX series power supply/chargers convert a 115VAC, 60Hz input into a single fused, protected outputs. Outputs are selectable for 12VDC or 24VDC with a total of 6A max.
2	ONE CH RECEIVER 5 PROG OUTPUTS*
3	1 BUTTON, HAND HLD RF TRANS*
1	Miscellaneous Cable, Parts, Etc.
1	Installation / Service Call(s) / Labor
	Sales Tax

This is a preliminary estimate. Additional changes to this estimate may be required for the work to be completed.

KANKAKEE, IL 60901-3819

NAME / ADDRESS

KANKAKEE, IL 60901

DATE _____

ESTIMATE NO.

1/4/2022

2022.004

TERMS

This is a preliminary estimate. Additional changes to this estimate may be required for the work to be completed.

LP-1502

LP-1502 System Control Processor

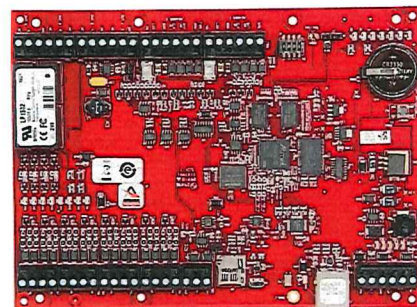
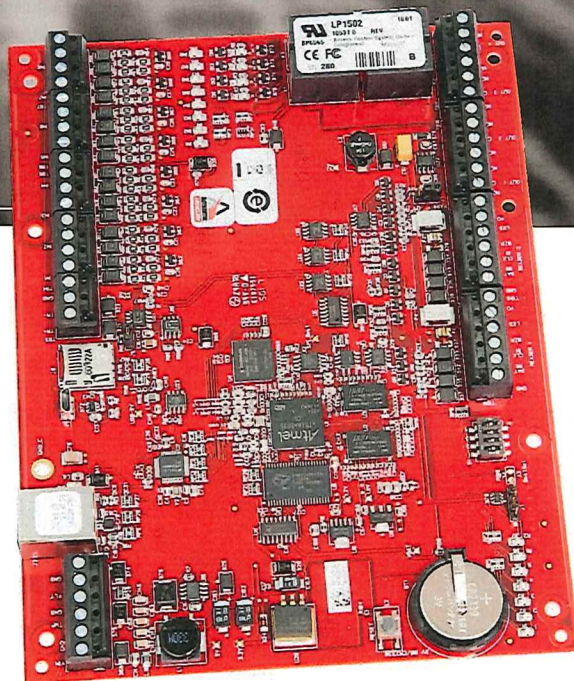
The LP-1502 is a powerful, IP-based System Control Processor (SCP) expandable to control up to 64 doors with a 240,000 card capacity. Built on the Linux Embedded operating system, the LP series of SCPs modernizes security delivering full end-to-end encryption to ensure data remains secure at all times. Designed to easily replace legacy series panels, the LP-1502 uses an identical footprint and interface as the EP-1502 panel simplifying the migration process. The auxiliary inputs and outputs provide expanded flexibility with simplified point control and monitoring. The LP-1502 supports up to 128 access levels per card and will support two doors, making it ideal for two-door systems.

The LP-1502 contains an onboard SIO and is capable of controlling 2 doors with 4 readers when utilizing OSDP IN/OUT mode. The downstream RS-485 bus allows for an additional 31 SIO subpanels to be added for a maximum of 64 total doors. The versatility and value makes the LP-1502 one of the most popular controllers from the Mercury LP Series. The LP-1502 stores its own cardholder database as well as all schedule information, including unlock/relock times, access times, and holiday information locally. Once configured, the powerful on-board processor allows the LP-1502 to make access decisions locally allowing for operation autonomous from software and can store up to 50,000 events locally. The LP-1502 also supports precision card access, elevator access control, extended door unlock/allowed open timing (ADA required), and includes a full range of anti-passback capabilities.

The LP-1502 can support up to 8 card format/facility code combinations using a wide-range of reader technologies including OSDP with Secure Channel, keypads, biometric readers, Wiegand, clock and data, magnetic stripe, F/2F, and supervised F/2F. It is PIV-II, CAC, and TWIC card compatible. The LP-1502 features AES 256-bit NIST Certified Encryption, and is UL 294 recognized, CE (RoHS) compliant, and HSPD-12/FIPS 201 compliant.

The LP-1502 includes these features:

- Built on the Linux Embedded Platform providing enhanced security, communication, and feature sets
- Onboard SIO controls up to 2 doors with all needed I/O
- Card Capacity up to 240,000 cards
- Supports up to 32 reader/input/output SIO subpanels and controls up to a maximum of 64 doors
- Communication over 10/100 Ethernet with support for IPV4 and IPV6
- Supports up to 31 reader/input/output SIO subpanels and control up to a maximum of 64 doors
- Support for up to 8 unique card format/facility code combinations
- Port-based authentication based on the IEEE 802.1X standard for port-based Network Access Control
- Host communication secured using TLS 1.1/1.2 and AES-128/256
- Reader communication support for OSDP 2 with Secure Channel
- UL294 Recognized, CE Compliant, RoHS, NIST Certified Encryption



The LP-1502 is among the most flexible panels featuring an onboard SIO that can control two doors, has four auxiliary inputs and two auxiliary outputs, and can be expanded to control up to 64 doors.



Technologies

RS2 Technologies has constructed an integrated family of access management software and hardware that can be configured to provide a cost-effective solution for very small to very large systems. The LP series of hardware relies on open architecture to maximize freedom for users, control costs, and allow for interoperability via integration to provide the most complete solution from a platform trusted worldwide.

MR-52-S3

MR-52-S3 Subpanel

The MR-52-S3 SIO is a versatile 2 door, 4 reader subpanel. The MR-52-S3 enables simple system expansion with Mercury Controllers via RS-485 wiring. The MR-52-S3 offers an attractive expansion solution due to its versatility, reliability, and cost efficiency. The auxiliary inputs and outputs provide expanded flexibility with simplified point control and monitoring.

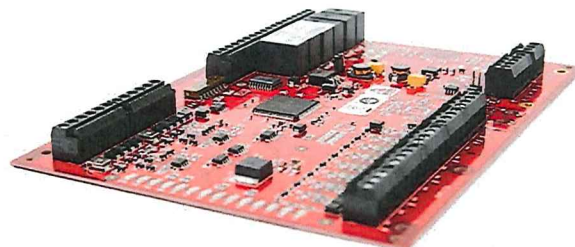
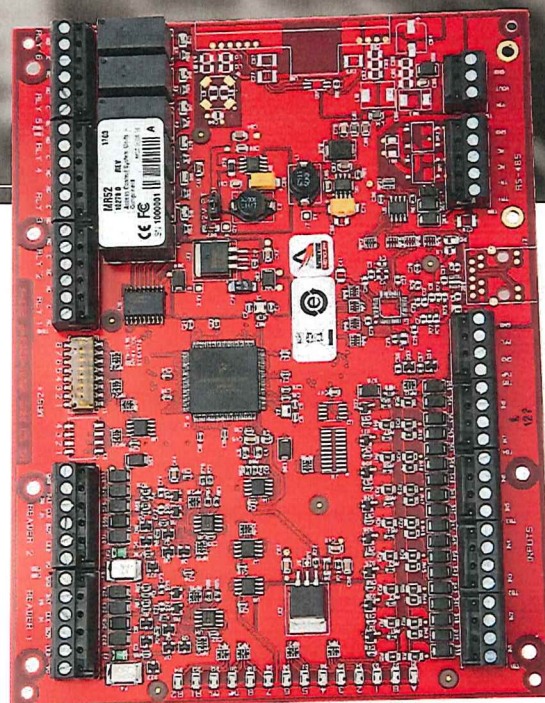
The MR-52-S3 is the direct replacement to the Series 2 MR-52 and uses the identical footprint and interface as the Series 2 MR-52. This allows panels to seamlessly be upgraded in existing deployments. Panels upgraded from Series 2 to Series 3 will not require any software reprogramming. The commitment to interoperability simplifies the steps to upgrade software and prevents issues in the field. The Series 3 subpanels maintain compatibility with older EP Series controllers and SCP models.

The MR-52-S3 supports a variety of reader technologies including Wiegand, F/2F, and OSDP with Secure Channel. Using OSDP Multi-drop technology allows 2 readers to be attached to a single reader port. The layout of the board provides flexibility with 4 auxiliary inputs and 4 auxiliary outputs allowing for a variety of security devices to easily be connected. The auxiliary components are programmable for simplified automation and programmable supervised inputs provide an additional layer of security.

The Mercury Security platform continues to focus on data security. The MR-52-S3 subpanel supports secure communication between the controller board and the MR-52-S3 using AES-128/256 encryption over the RS-485 bus communications ensuring that data in transit remains secure. Onboard, the MR-52-S3 contains an embedded cryptographic memory chip. This memory chip stores important data, such as communication encryption keys, in a secure location ensuring data remains secure while at rest.

The MR-52-S3 includes these features:

- Controls up to 2 doors with all needed I/O
- 2-reader IN/OUT door configuration on a single reader port using OSDP communication
- Reader communication support for OSDP 2 with Secure Channel
- 4 auxiliary inputs and 4 auxiliary outputs
- Programmable supervised input End-Of-Line resistance
- SCP communication secured using TLS 1.2 and AES-128/256 bit data encryption
- Simple dip switch device addressing addressable between addresses 0-31
- Identical footprint and interface as the Series 2 MR-52 allowing for a seamless transition from Series 2 to Series 3
- Embedded cryptographic memory chip ensures all local data remains secured while at rest
- Outputs can be configured for fail-safe or fail-secure operations
- Alarm keypad support
- HSPD-12/FIPS201 Compliant
- UL294 Recognized, CE Compliant, RoHS



The MR-52-S3 is a popular SIO choice due to its versatility and cost-efficient nature. The MR-52-S3 can control two doors and the auxiliary inputs and outputs provide a simple framework to integrate devices and automate behavior.



Technologies

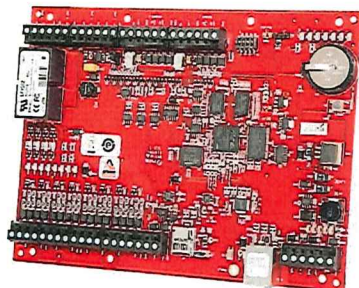
RS2 Technologies has constructed an integrated family of access management software and hardware that can be configured to provide a cost-effective solution for very small to very large systems. The LP series of hardware relies on open architecture to maximize freedom for users, control costs, and allow for interoperability via integration to provide the most complete solution from a platform trusted worldwide.

Mercury Series 3 Hardware

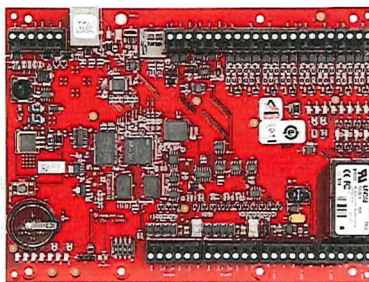


LP Series Controllers and Subpanels

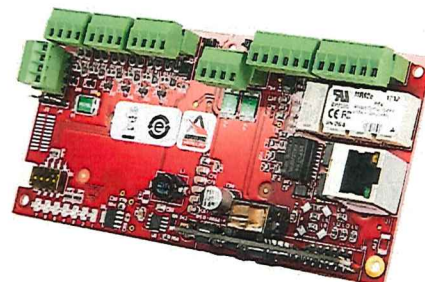
The Series 3 line of hardware from Mercury Security represents a leap forward in access control hardware. The Series 3 line of hardware features the LP Series Controller Panels. The new LP series SCPs are built on the Linux embedded platform. Linux has long been considered one of the most secure platforms, but it also brings a new level of versatility to the platform. Using built-in tools, the LP series has greatly enhanced security and communication capabilities. The Linux platform has also opened the door for a more diverse set of instruction sets to be executed on the panel. This has lead to new integrations with 3rd party hardware and software platforms using modern protocols. These devices have been designed to secure data at rest with onboard encryption as well as data in transit by securing the data using state-of-the-art encryption techniques to deliver a true end-to-end encryption solution. Full support for OSDP with Secure Channel has been added removing the possibility of a man-in-the-middle attack and maintaining data security throughout transit.



The LP-1502 SCP is a 2 door controller that is expandable up to 64 total doors. This device is popular due to its onboard door controls, expandability, and the flexibility provided by having (4) auxiliary inputs and (4) auxiliary outputs.



The LP-4502 SCP is the most powerful controller from Mercury. The LP-4502 supports up to 2,000,000 cards and is built to support a number of integrations. The device can control 2 doors onboard and is expandable to control up to 64 doors.



The MR-62e SIO is a new panel introduced in the series 3 hardware line and is a PoE+ enabled device that only supports OSDP readers. With PoE+ the board can deliver up to 1.5 A of power at the door for reader and lock power. The device can control 2 doors and up to 4 readers with OSDP.

Series 3 Features

Same form factor as Series 2 Devices

OSDP with Secure Channel

Enhanced Security

BACnet Building Automation

Destination Dispatch

Embedded pivCLASS Support

Powered by Linux


IEEE 802.1X Port-Based Network Access Control

Enhanced PoE+ Power Options

Increased Communication Capabilities

Expanded Memory and Processing Power

LifeSafety Power Integration

A blurred, high-angle photograph of a modern office interior. Several people are walking in motion, their figures softened by a long exposure. The scene is brightly lit, with large windows in the background showing a city skyline. The overall color palette is dominated by cool blues and greys, with the dark silhouettes of the people providing contrast.

Innovative, Open Hardware Solutions in Access Control

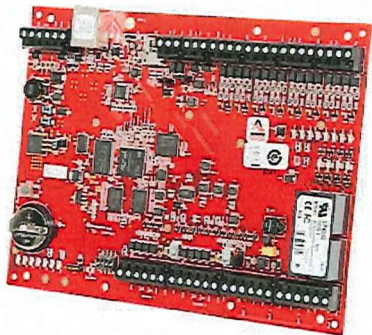
HID® Mercury™ Controllers





HID Mercury's platform is completely open.

With more than four million panels installed around the world, HID Mercury has become the controller platform of choice for the industry's leading security software providers.



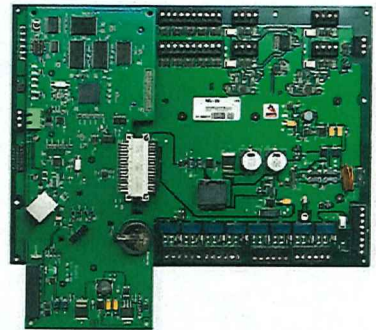
LP Series Intelligent Controllers

Built on the HID Mercury open platform, LP Series controllers provide the necessary flexibility for OEMs, channel partners and end customers to choose the controller configuration that best fits their needs. The Linux-based controller family offers support for the latest cyber security standards, robust platform of reliability, and a seamless upgrade for customers.



MR Series 3 Serial Input/Output Modules

The latest generation door interface module for HID Mercury intelligent controllers and the platform of choice for customers seeking open architecture access control solutions. These modules enable system expansion of HID Mercury intelligent controllers as part of HID Mercury's distributed architecture.



MS and M5 Bridge Products

Designed for interoperability with legacy third-party access control systems, bridge products are shaped from the existing HID Mercury controller platform and are designed to fit the specific physical parameters of products. These "screwdriver-less" plug & play modules retrofit legacy panels so that upgrading to an open, reliable, and flexible HID Mercury controller significantly reduces the cost of the overall system migration.

Overview

These ProWire Unified Power wall mount models are single and dual voltage access power systems, precision wired for MERCURY controllers. ProWire enables the specification and installation of **standardized access power equipment** across an enterprise for uniform operation, maintenance and servicing.

The C8 or M8 control modules provide (16) sixteen access control inputs capable of voltage or dry contact activation, and (16) sixteen outputs programmable for failsafe / failsecure operation at either 12 or 24 VDC and controlled by the power supply fire alarm interface. The D8 modules provide (16) sixteen auxiliary outputs. In dual voltage systems, each output is configurable for 12 or 24VDC operation.

ProWire Unified Power enclosures are painted steel with removable backplate, lock, keys and and tamper switch and come 100% factory tested – ready for final panel installation and field wire termination.

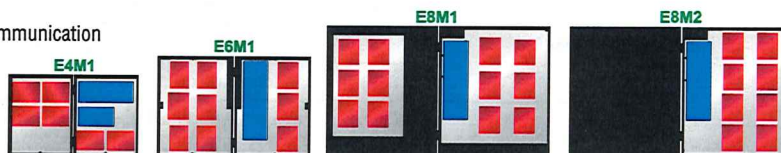


FP0150/250-3D8P2M8NL4E6M1/P16-A
 Managed Power System
 E6M1 enclosure, A-Wired Panduit

Product Features

- ◆ Pre-installed wire harness for panel power, lock control, faults and tamper switch
- ◆ Point to point wiring; labeled, color coded, twisted pair, shielded communication
- ◆ Tie wrap or wire duct cable management options
- ◆ Managed systems monitor power, batteries and sixteen outputs
- ◆ UL294, ULC S319 joint LSP / Mercury integrated listing

Enclosure Styles



Model Nomenclature

Power Supplies

FP0250/250

Power rating
 FP0150 12A/12V 150W system power
 FP0250 10A/24V 250W lock power

Accessory Boards & Enclosure

2C8 3D8P E8M2

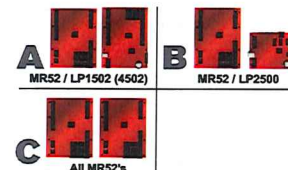
Enclosure
 Accessory qty

Wiring Option

P16-A

P Panduit 16DR
 T Tie Wrap 16DR

A MR52 / LP1502 (4502)
 B MR52 / LP2500
 C Twelve (12) MR52



Accessory modules: C8, D8, M8 (FUSED) | C8P, D8P, M8P (PTC)

*Model Number	Model Wiring Options						System Type	Distributed Outputs	Enclosure / Cable Mgmt
	T16-A	T16-B	T16-C	P16-A	P16-B	P16-C		Auxiliary and Control	H x W x D (inches)

Dual Voltage - 12A/12V and 10A/24V

FP0150/250-2C83D8PE4M1/P16-A	T16-A	T16-B	T16-C				Standard	16 auxiliary, 16 lock control	E4M1 24 x 20 x 6.5 Tie Wrap
FP0150/250-3D8P2M8NL4E4M1/P16-A	T16-A	T16-B	T16-C				Networked	16 auxiliary, 16 managed	
FP0150/250-2C83D8PE6M1/P16-A	T16-A	T16-B	T16-C	P16-A	P16-B	P16-C	Standard	16 auxiliary, 16 lock control	E6M1 30 x 23 x 6.5 Tie Wrap / Panduit
FP0150/250-3D8P2M8NL4E6M1/P16-A	T16-A	T16-B	T16-C	P16-A	P16-B	P16-C	Networked	16 auxiliary, 16 managed	
FP0150/250-2C83D8PE8M1/P16-A	T16-A	T16-B	T16-C	P16-A	P16-B	P16-C	Standard	16 auxiliary, 16 lock control	E8M1 36 x 30 x 6.5 Tie Wrap / Panduit
FP0150/250-3D8P2M8NL4E8M1/P16-A	T16-A	T16-B	T16-C	P16-A	P16-B	P16-C	Networked	16 auxiliary, 16 managed	
FP0150/250-2C83D8PE8M2/P16-A	T16-A	T16-B	T16-C	P16-A	P16-B	P16-C	Standard	16 auxiliary, 16 lock control	E8M2 36 x 30 x 6.5 Tie Wrap / Panduit
FP0150/250-3D8P2M8NL4E8M2/P16-A	T16-A	T16-B	T16-C	P16-A	P16-B	P16-C	Networked	16 auxiliary, 16 managed	

Single Voltage - 20A/12V (10A/24V)

FP0250-2C83D8PE4M1/P16-A	T16-A	T16-B	T16-C				Standard	16 auxiliary, 16 lock control	E4M1 24 x 20 x 6.5 Tie Wrap
FP0250-3D8P2M8NL4E4M1/P16-A	T16-A	T16-B	T16-C				Networked	16 auxiliary, 16 managed	
FP0250-2C83D8PE6M1/P16-A	T16-A	T16-B	T16-C	P16-A	P16-B	P16-C	Standard	16 auxiliary, 16 lock control	E6M1 30 x 23 x 6.5 Tie Wrap / Panduit
FP0250-3D8P2M8NL4E6M1/P16-A	T16-A	T16-B	T16-C	P16-A	P16-B	P16-C	Networked	16 auxiliary, 16 managed	
FP0250-2C83D8PE8M1/P16-A	T16-A	T16-B	T16-C	P16-A	P16-B	P16-C	Standard	16 auxiliary, 16 lock control	E8M1 36 x 30 x 6.5 Tie Wrap / Panduit
FP0250-3D8P2M8NL4E8M1/P16-A	T16-A	T16-B	T16-C	P16-A	P16-B	P16-C	Networked	16 auxiliary, 16 managed	
FP0250-2C83D8PE8M2/P16-A	T16-A	T16-B	T16-C	P16-A	P16-B	P16-C	Standard	16 auxiliary, 16 lock control	E8M2 36 x 30 x 6.5 Tie Wrap / Panduit
FP0250-3D8P2M8NL4E8M2/P16-A	T16-A	T16-B	T16-C	P16-A	P16-B	P16-C	Networked	16 auxiliary, 16 managed	

*Model wiring option "P16-A" calls out A wired Panduit. Modify model number to order other options, i.e., FP0150/250-2C83D8PE8M2/T16-C (C wired tie wrap)

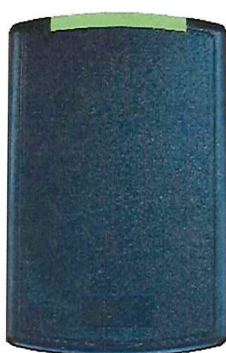
ENTERPRISE & CAMPUS READY

ETHOS™ READERS

Advanced Access Control Readers | Secure Communications



ET10



ET20



ET25

WaveLynx Technologies' Ethos line of multi-technology contactless access control readers offers a modern aesthetic and a state-of-the-art feature set. Standard technologies include Proximity (125 kHz), Smart (13.56 MHz), NFC, and Bluetooth®, so that customers can set their migration path to secure credentials and security ecosystems. All Ethos readers are fully OSDP™ compliant and are currently enabled for Secure Channel and remote firmware upgrades. Additionally, Ethos readers offer a unique patented feature called OSDP Auto-Detect. They communicate OSDP and Wiegand over the same wires to automatically detect and convert to OSDP Secure Channel protocol when the panel is upgraded, eliminating the need to rewire or reconfigure the reader.

KEY FEATURES

- Multiple technologies in a single reader: Proximity, Smart, NFC & BLE
- OSDP Autodetect
- OSDP Secure Channel and remote firmware upgradability
- MIFARE DESFire® EV1 & EV2 support
- Ethos Wiegand/OSDP readers work with MyPass Mobile Credentials
- LEAF credential support for secure, open, interoperability
- FSK and ASK legacy proximity credentials support for seamless transitions
- Accelerometer-based tamper detection
- Tri-state LED light bar (red, green, amber) and audible beeper
- Accommodates indoor, outdoor installation environments